Program Information

85th Scientific Sessions

June 20-23, 2025

McCormick Place Convention Center

Chicago, IL

Program information is subject to change at any time. For full program details, please use the online planner/app.

The mission of the American Diabetes Association is to prevent and cure diabetes and to improve the lives of all people affected by diabetes through research, advocacy, education, and support.

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FRIDAY, JUNE 20, 2025

10:30 a.m. - 11:30 a.m.

Special Lectures and Addresses

Session Number: WP-01-1

Welcome to the 85th ADA Scientific Sessions

Room: W375 B-E

10:30 a.m. - 10:35 a.m. **Welcome to the 85th Scientific Sessions!**

Charles Henderson

FRIDAY, JUNE 20, 2025

11:30 a.m. - 12:30 p.m.

Pathway Symposium

Session Number: PTH-01-1

'Pathway to Stop Diabetes'

Room: W375 B-E

11:30 a.m. - 11:50 a.m.	**'Pathway to Stop Diabetes' Symposium** Sarah A. Tishkoff, PhD
12:10 p.m. - 12:30 p.m.	**'Pathway to Stop Diabetes' Symposium** Rachel W. Goode, PhD

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR04-1

Mechanistic Insights into Diabetic Kidney Disease—Top Research Abstracts

Room: W180

Chair(s): Jennifer A. Schaub, MD

12:45 p.m. - 1:00 p.m.	**1-OR Expression of the Stress Response Protein REDD1 in Podocytes Promotes CGAS-STING–Mediated Activation of the Renal Immune Response in a Rodent Model of Type 2 Diabetes** Presenting Author: Siddharth Sunilkumar, PhD
1:00 p.m. - 1:15 p.m.	**2-OR Blocking Neuroblastoma Suppressor of Tumorigenicity 1 (NBL1) Prevents Diabetic Kidney Disease** Presenting Author: Adriana Petrazzuolo, PhD
1:15 p.m. - 1:30 p.m.	**3-OR LRP5 Promotes Fatty Acid Oxidation to Reduce Lipid Deposition in the Proximal Tubules of DKD Kidneys** Presenting Author: Xuemin He, PhD
1:30 p.m. - 1:45 p.m.	**4-OR Oxidative Phosphorylation in Kidney-Resident Macrophages Aggravates the Progression of Diabetic Kidney Disease** Presenting Author: Haein Yoon, BS

Responsible Committee Member(s): Jennifer Schaub

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR01-1

CGM in Action—Smarter Choices, Better Balance, Lasting Impact

Room: W184 A-D

Chair(s): Jane J. Seley, DNP, MPH, MSN, GNP, BC-ADM, CDCES, FADCES

12:45 p.m. - 1:00 p.m.	**5-OR Older Adults with Diabetes Require Longer Time to Initiate and Maintain CGM Technology with Use of Remote Education** Presenting Author: Elena Toschi, MD
1:00 p.m. - 1:15 p.m.	**6-OR The Effectiveness of Personalized Dietary Advice Based on CGM Data for Newly Diagnosed Patients with Type 2 Diabetes** Presenting Author: Heng Wan, MD
1:15 p.m. - 1:30 p.m.	**7-OR The Libre Enabled Reduction of A1C through Effective Eating and Exercise Study—LIBERATE CANADA** Presenting Author: Sonja M. Reichert, MD, MSc, CCFP, FCFP, ABOM
1:30 p.m. - 1:45 p.m.	**8-OR Short-Term Continuous Glucose Monitoring Reveals Insights and Promotes Behavioral Awareness in People with Non-Insulin-Treated Type 2 Diabetes, Even after Minimal Instructions** Presenting Author: Tanja Thybo, PhD

Responsible Committee Member(s): Jenny DeJesus and Rebecca Longo

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR05-1

Empowering Choice—Nutrition Interventions for Type 2 Diabetes

Room: W186 A-C

Chair(s): Gretchen Benson, RDN, CDCES

12:45 p.m. - 1:00 p.m.	**9-OR Change in HbA1c and Weight after Healthy Grocery Delivery and Low-Carb Education among People with Type 2 Diabetes and Food Insecurity** Presenting Author: Eric Waselewski, MD
1:00 p.m. - 1:15 p.m.	**10-OR Real-World Outcomes of a Fasting Mimicking Diet Program for Type 2 Diabetes Management** Presenting Author: Ashley Bizzell, BS
1:15 p.m. - 1:30 p.m.	**11-OR Effects of a Whole Fruit–Rich Diet on Glycemic Control, Ectopic Fat, and Cardiovascular Risk Factors in Adults with Type 2 Diabetes** Presenting Author: Cody Hanick, PhD, MS
1:30 p.m. - 1:45 p.m.	**12-OR Beneficial Effects of Mediterranean Diet on Body Composition and Glucose Metabolism—A Randomised Controlled Trial** Presenting Author: Robel H. Kabthymer, MSc

Responsible Committee Member(s): Gretchen Benson

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-DB03-1

Over-the-Counter Continuous Glucose Monitoring—Data for All or a Disaster Waiting to Happen?

Room: W183 BC

Chair(s): Rayhan Lal, MD

12:45 p.m. - 1:00 p.m.	**Data for ALL** Diana Isaacs, PharmD, BCPS, BCACP, BC-ADM, CDCES, FADCES, FCCP
1:00 p.m. - 1:15 p.m.	**Disaster Waiting to Happen** David Ahn, MD
1:15 p.m. - 1:20 p.m.	**Rebuttal—Data for ALL** Diana Isaacs, PharmD, BCPS, BCACP, BC-ADM, CDCES, FADCES, FCCP
1:20 p.m. - 1:25 p.m.	**Rebuttal—Disaster Waiting to Happen** David Ahn, MD
1:25 p.m. - 1:45 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR14-1

Improving Systems of Care for Diabetes Mellitus

Room: W181 A-C

Chair(s): Shideh Majidi, MD

12:45 p.m. - 1:00 p.m.	**13-OR Overcoming Therapeutic Inertia in Newly Diagnosed Type 2 Diabetes—Results of a Randomized Trial** Presenting Author: Anjali Gopalan, MD, MS
1:00 p.m. - 1:15 p.m.	**14-OR Telemedicine Visit Use and Cardiorenal Risk Factor Monitoring Rates in Patients with Diabetes** Presenting Author: Emilia G. Thurber, MD, MPH
1:15 p.m. - 1:30 p.m.	**15-OR Closing the Loop Early—Enhancing AID Adoption in Youth with New-Onset T1D** Presenting Author: Mili Vakharia, Family Nurse Practitioner
1:30 p.m. - 1:45 p.m.	**16-OR Pilot Study of Systematic Screening for Diabetes Distress at Two Federally Qualified Health Centers** Presenting Author: Corinne Cochran, BA Neuroscience - University of Chicago

Responsible Committee Member(s): Amisha Wallia

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR15-1

Diabetes in Children—Pediatric Type 1 Diabetes—Decoding the Disease and Transforming Care

Room: W185 A-D

Chair(s): Linda A. DiMeglio, MPH, MD

12:45 p.m. - 1:00 p.m. **17-OR Novel Autoantibodies Specific to β-Cell Surface Extracellular Epitope of ZnT8 Predict Progression to Type 1 Diabetes**
Presenting Author: Xiaofan Jia, MD, PhD

1:00 p.m. - 1:15 p.m. **18-OR Lower Incretin Effect and Reduced GIP Characterize the Metabolic Phenotype of People with Multiple Islet Autoantibodies and Normal Glucose Tolerance**
Presenting Author: Alfonso Galderisi, MD, PhD

1:15 p.m. - 1:30 p.m. **19-OR Treatment and Outcomes in Paediatric Type 1 Diabetes across Countries with Different Gross Domestic Products—Results from the Sweet Initiative**
Presenting Author: Sunil S. Gupta, MD, FACE, FRCP (London, Edinburgh, Glasgow), FACP

1:30 p.m. - 1:45 p.m. **20-OR Improving Glycemia in Adolescents and Young Adults (AYA) with T1D—Results of One-Year RCT**
Presenting Author: Lori M. Laffel, MD, MPH

Responsible Committee Member(s): Eda Cengiz

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY32-1

Standards of Care in Overweight and Obesity 2025 Updates

Room: W375 A

Chair(s): Nuha A. El Sayed, MD, MMSc; Raveendhara Bannuru, MD, PhD, FAGE

12:45 p.m. - 1:00 p.m.	**Introduction and Need for Comprehensive Care** Kimberly Gudzune, MD, MPH
1:00 p.m. - 1:15 p.m.	**Weight Stigma and Bias** Fatima Cody Stanford, MD, MPH, MPA, MBA, MACP, FAAP, FAHA, FAMWA, FTOS
1:15 p.m. - 1:30 p.m.	**Pharmacotherapy** Louis J. Aronne, MD, FACP, DABOM
1:30 p.m. - 1:45 p.m.	**Question and Discussion Period**

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR03-1

Aging and Thriving—Diabetes, Cognition, and Older Adults

Room: W187 A-C

Chair(s): Anuj Maheshwari, MD (Medicine), FRCP, FACE

12:45 p.m. - 1:00 p.m.	**21-OR Systematic Review and Meta-analysis of the Association of SGLT2 Inhibitors and GLP-1 Receptor Agonists on the Risk of Dementia in Patients with Type 2 Diabetes** Presenting Author: Chi-Han Cheng, MS
1:00 p.m. - 1:15 p.m.	**22-OR Type 2 Diabetes Subtypes and Risk of Dementia in the United States** Presenting Author: Zhongyu Li, MSPH
1:15 p.m. - 1:30 p.m.	**23-OR Benefit of an Intensive Lifestyle Intervention on All-Cause Mortality over Two Decades in Older Adults with Diabetes and Overweight/Obesity—The Look AHEAD Study** Presenting Author: Lynne E. Wagenknecht, DrPH
1:30 p.m. - 1:45 p.m.	**24-OR Diabetic Peripheral Neuropathy as a Risk Factor for Brain Disease** Presenting Author: Astrid Wiggers, MD

Responsible Committee Member(s): Sagar Dugani

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR06-1

Experimental and Multiomic Approaches to Decipher Mechanism of Type 1 and Type 2 Diabetes

Room: W183 A

Chair(s): Stephen C. J. Parker, PhD

12:45 p.m. - 1:00 p.m. **25-OR N6-methyladenosine on Chromatin-Associated RNA (carRNA)—A Key Regulator of Transcription in Human Islets with Type 2 Diabetes**
Presenting Author: Namrata Shukla, MSc, PhD

1:00 p.m. - 1:15 p.m. **26-OR Genome-Scale CRISPR Screen Identifies ALDH3B2 Loss-of Function Transdifferentiates Human Pancreatic Duct Cells Into Beta-Like Cells**
Presenting Author: Jian Li, PhD

1:15 p.m. - 1:30 p.m. **27-OR Identification of Novel Drivers of Type 1 Diabetes via Integration of Whole-Islet Transcriptomics from Human and Mouse**
Presenting Author: Alexandra E. Cuaycal, PhD

1:30 p.m. - 1:45 p.m. **28-OR *GLP1R* R131Q is a Gs-Biased Gain-of-Function Variant Associated with Preservation of β-Cell Function**
Presenting Author: Hyunsuk Lee, MD

Responsible Committee Member(s): Cassandra Spracklen

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Debate

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-DB01-1

The Future of Weight Loss Therapies—Food Intake Versus Energy Expenditure

Room: W196 BC

12:45 p.m. - 1:00 p.m.	**Peripheral Regulation of Energy Balance** Shingo Kajimura, PhD
1:00 p.m. - 1:15 p.m.	**Central Regulation of Energy Balance** Randy J. Seeley, PhD
1:15 p.m. - 1:20 p.m.	**Rebuttal—Peripheral Regulation of Energy Balance** Shingo Kajimura, PhD
1:20 p.m. - 1:25 p.m.	**Rebuttal—Central Regulation of Energy Balance** Randy J. Seeley, PhD
1:25 p.m. - 1:45 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paul Titchenell and Katrin Svenssson

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR04-1

Factors Affecting the Molecular Architecture and Identity of Islet Cells

Room: W196 A

Chair(s): Danielle Dean, PhD

12:45 p.m. - 1:00 p.m.	**33-OR M6A mRNA Methylation Regulates Pancreatic α-Cell Identity and Function** Presenting Author: Dario F. De Jesus, MSc, PhD
1:00 p.m. - 1:15 p.m.	**34-OR Proneuromedin U Differentially Produces Two Novel Insulinostatic Peptides in Pancreatic α- and β-Cells** Presenting Author: Masamitsu Nakazato, MD, PhD
1:15 p.m. - 1:30 p.m.	**35-OR Temporal Dynamics of RNA Modifications and Translation in Type I Interferon–Stimulated Human Islets** Presenting Author: Farooq Syed, PhD
1:30 p.m. - 1:45 p.m.	**36-OR Sex-Based Molecular Architecture of Estrogen Receptor Actions in Human Islet Cells** Presenting Author: Mirza Muhammad Fahd Qadir, DVM, PhD

Responsible Committee Member(s): Alejandro Caicedo, Manami Hara, and Teresa Mastracci

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-OR02-1

Decoding Type 1 Diabetes—Lessons from Trials and Deep Data Dives

Room: W192 A-C

Chair(s): Eddie A. James, PhD

12:45 p.m. - 1:00 p.m.	**29-OR T-Cell Receptor Sequences Targeting Beta-Cell Proteins Are Present in Blood across the Stages of Type 1 Diabetes Development** Presenting Author: Kagan E. Karakus, MD
1:00 p.m. - 1:15 p.m.	**30-OR Baricitinib-Associated Changes in Single-Cell Gene Expression in NK Cells in the BANDIT Clinical Trial** Presenting Author: Laura Sanz Villanueva, BSc, MSc
1:15 p.m. - 1:30 p.m.	**31-OR Epigenetic Regulation of Islet Endothelial Immune Interface Modifies the Pathogenesis of Type 1 Diabetes** Presenting Author: Shiwei Liu, PhD
1:30 p.m. - 1:45 p.m.	**32-OR Dysfunctional β-Cell Autophagy Stimulates Lysosomal Exocytosis, Promoting Alterations in the Secretome and Antigen Presentation Pathways** Presenting Author: Matthew C. Austin, BS

Responsible Committee Member(s): Maria Bettini

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR06-1

Mechanistic Insights into Metabolic Dysfunction in the Liver

Room: W190 A

Chair(s): Andrea D. Coviello, MD

12:45 p.m. - 1:00 p.m.	**37-OR Steatohepatitis with Significant Liver Fibrosis Is Common in Outpatient Primary Care and Endocrinology Clinics** Presenting Author: Srilaxmi Kalavalapalli, MS, MBA
1:00 p.m. - 1:15 p.m.	**38-OR Effects of Dorzagliatin, Insulin Glargine, and Metformin on Nocturnal Endogenous Glucose Production in Type 2 Diabetes** Presenting Author: Alaaeldin Hodhod, MD
1:15 p.m. - 1:30 p.m.	**39-OR The Effect of Glucagon on Hepatic Amino Acid and Glucose Metabolism in Obesity with or without Hepatic Steatosis** Presenting Author: Hannah E. Christie, PhD
1:30 p.m. - 1:45 p.m.	**40-OR Lifestyle Treatment Significantly Resolved Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) by Altering Extrahepatic and Hepatocellular Fatty Acid Trafficking** Presenting Author: Jessica G. George, BHS

Responsible Committee Member(s): Janice Hwang

FRIDAY, JUNE 20, 2025

12:45 p.m. - 1:45 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR09-1

Molecular and Cellular Mechanisms Driving Muscle Atrophy and Dysfunction

Room: W194 AB

Chair(s): Hyun Cheol Roh, PhD

12:45 p.m. - 1:00 p.m.	**41-OR Exploring the Role of Granulin in Sarcopenia—From Clinical Observations to Cellular Mechanisms** Presenting Author: Ka Chon Chan, MD
1:00 p.m. - 1:15 p.m.	**42-OR Miro1 Negatively Regulates Skeletal Muscle Insulin Action in Mice with Diet-Induced Obesity and Hyperglycemia** Presenting Author: Analisa L. Taylor, BS
1:15 p.m. - 1:30 p.m.	**43-OR Muscle mTOR Activation Attenuates Cardiomyopathy and Extends Lifespan in Muscle-Specific IRS1/IRS2 Knockout Mice** Presenting Author: Oliver Stoehr, PhD
1:30 p.m. - 1:45 p.m.	**44-OR Fibro-inflammatory Stromal Cells Produce Atrophy-Inducing Paracrine Factors in a Mouse Model of Diabetic Sarcopenia** Presenting Author: Sarah K. Patterson, BS

Responsible Committee Member(s): Young-Bum Kim

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR01-1.5

Not Just a Consequence of Glycemic Management—The Multifaceted Harms of Treatment-Induced Hypoglycemia

Room: W185 A-D

Chair(s): Scott J. Pilla, MD, MHS

2:00 p.m. - 2:15 p.m.	**45- OR Evaluating the Effects of Hypoglycemia on Plasma Beta Amyloid in Type 1 Diabetes (T1D)** Presenting Author: Anika Bilal, MD
2:15 p.m. - 2:30 p.m.	**46-OR Poor Correlation between Hypoglycemic Symptoms and Heart Rate Response in CGM Hypoglycemia in T1D—Hypo-METRICS Study** Presenting Author: Vaios Koutroukas, MRCP UK
2:30 p.m. - 2:45 p.m.	**47-OR Amitriptyline Prevents, But Does Not Restore, the Impaired Glucoregulatory Response to Hypoglycemia in a Rodent Model of Hypoglycemia-Associated Autonomic Failure (HAAF)** Presenting Author: Zach Beckner, BS
2:45 p.m. - 3:00 p.m.	**48-OR Recurrent Events and Mortality following Severe Hypoglycemia (SH) in U.S. Older Adults (OA) with Type 1 Diabetes (T1D)** Presenting Author: Anna Kahkoska, MD, PhD
3:00 p.m. - 3:15 p.m.	**49-OR Exposure to Recurrent Hypoglycemia Alters Brain Glutamate and Lactate Kinetics in Type 1 Diabetes** Presenting Author: Gulin Oz, PhD
3:15 p.m. - 3:30 p.m.	**50-OR Recurrent Moderate Hypoglycemia (RH) Enhances Cardiac Mitochondrial Respiration in Diabetic Rats** Presenting Author: Sathya Velmurugan, PhD

Responsible Committee Member(s): Rozalina McCoy

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR06-1.5

Cellular Mechanisms of Atherogenesis in Diabetes (With Edwin Bierman Award Lecture)

Room: W181 A-C

Chair(s): George L. King, MD

2:00 p.m. - 2:15 p.m.	**51- OR Prognostic Proteomics Modeling in Type 2 Diabetes Reveals Shared and Distinct Mechanisms of Macro- and Microvascular Complications** Presenting Author: Yue Huang, MSc
2:15 p.m. - 2:30 p.m.	**52-OR Nogo-B Regulates Endothelial Metabolism and Angiogenesis via Mitochondria-Associated ER Membrane Remodeling in Diabetes** Presenting Author: Dan Shan, PhD
2:30 p.m. - 2:45 p.m.	**53-OR Loss of HDAC11 Drives Aortic Endothelial-to-Mesenchymal Transitioning** Presenting Author: James Shadiow, PhD
2:45 p.m. - 3:00 p.m.	**54-OR Insulin Stabilized Arterial Plaques by Regulating Vascular Smooth Muscle Differentiation** Presenting Author: Qian Li, PhD

Responsible Committee Member(s): Rita Rastogi Kalyani

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR07-1.5

Family Dynamics and Psychosocial Interventions in Youth with Type 1 Diabetes—Addressing Health Disparities and Enhancing Outcomes

Room: W186 A-C

Chair(s): Jessica S. Pierce, PhD

2:00 p.m. - 2:15 p.m. **55- OR Understanding the Unseen—Caregiver Adverse Childhood Experiences and the Health of Youth with Type 1 Diabetes (T1D)**
Presenting Author: Kathryn A. McMullen, BA

2:15 p.m. - 2:30 p.m. **56-OR Behavioral Family Systems Therapy (BFST) Skills Inventory for Youth with Type 1 Diabetes—Psychometric Analyses**
Presenting Author: Kristen A. Torres, BS

2:30 p.m. - 2:45 p.m. **57-OR Family Intervention Effects on Parenting and Adolescent Glycemic and Psychosocial Outcomes**
Presenting Author: Jessie J. Wong, PhD

2:45 p.m. - 3:00 p.m. **58-OR Addressing the Needs of Maternal Caregivers—Interventions for Distressed Mothers of Adolescents with Type 1 Diabetes Improve Psychosocial Outcomes**
Presenting Author: Sarah S. Jaser, PhD

3:00 p.m. - 3:15 p.m. **59-OR Innovative Health Equity Intervention for Youth with Diabetes Deemed High Risk, High Needs, and High Cost—Understanding the Role of Co-occurring Mental Health Diagnoses**
Presenting Author: Logan D. Hicks, BS

3:15 p.m. - 3:30 p.m. **60-OR Youth with Type 1 Diabetes and Elevated HbA1c—Examination of Family Functioning and Health Disparities**
Presenting Author: Enye Washington, Associates

Responsible Committee Member(s): Elizabeth Beverly

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-DB02-1.5

If You Had to Pick Just One—GLP-1RA, GIP/GLP-1RA or SGLT2i for Type 2 Diabetes?

Room: W375 A

2:00 p.m. - 2:10 p.m.	**GLP-1RA** Ravi Retnakaran, MD, FRCPC
2:10 p.m. - 2:20 p.m.	**GIP/GLP-1RA** Jon Purnell, MD
2:20 p.m. - 2:30 p.m.	**SGLT2i** Alice Y. Y. Cheng, MD, FRCPC
2:30 p.m. - 2:35 p.m.	**Rebuttal—GLP-1RA** Ravi Retnakaran, MD, FRCPC
2:35 p.m. - 2:40 p.m.	**Rebuttal—GIP/GLP-1RA** Jon Purnell, MD
2:40 p.m. - 2:45 p.m.	**Rebuttal—SGLT2i** Alice Y. Y. Cheng, MD, FRCPC
2:45 p.m. - 3:00 p.m.	**Evidence for Combination Therapy** Avivit Cahn, MD, MHA
3:00 p.m. - 3:30 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR17-1.5

Advancing Effective and Equitable Treatment of Hyperglycemia in Pregnancy (With Norbert Freinkel Award Lecture)

Room: W183 BC

Chair(s): Amy M. Valent, DO, MCR

2:30 p.m. - 2:45 p.m.	**61- OR Acarbose vs. Fast-Acting Insulin for the Treatment Postprandial Hyperglycemia in Gestational Diabetes Mellitus—The ACARB-GDM Study** Presenting Author: Emmanuel Cosson, MD PhD
2:45 p.m. - 3:00 p.m.	**62-OR How Does Progression to Pharmacologic Treatment of GDM Vary by Race/Ethnicity?** Presenting Author: Shalmali S. Bane, PhD
3:00 p.m. - 3:15 p.m.	**63-OR The Impact of Maternal Food Insecurity on Gestational Diabetes and Other Pregnancy Outcomes** Presenting Author: Cara Dolin, MD, MPH
3:15 p.m. - 3:30 p.m.	**64-OR Delayed Access to Insulin during Pregnancy** Presenting Author: Gabriela Rios-Ortega, MD

Responsible Committee Member(s): Camille Powe

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR01-1.5

It's Complicated—Diabetes Profiles, Pathways, and Problems

Room: W187 A-C

Chair(s): Banshi D. Saboo, MD, PhD

2:00 p.m. - 2:15 p.m. **65- OR Age at Type 2 Diabetes Diagnosis and Mortality and Cardiovascular Risks, and Years of Life Lost in South Asians**
Presenting Author: Ayodipupo S. Oguntade, DPhil

2:15 p.m. - 2:30 p.m. **66-OR Clinical Subgroups of Young Adults with Type 2 Diabetes Predict Outcome**
Presenting Author: Anu Sharma, MD

2:30 p.m. - 2:45 p.m. **67-OR Longitudinal Trends in Diabetic Foot Ulcers and Lower Extremity Amputations before and after the COVID-19 Pandemic**
Presenting Author: Ivan Y. Luu, BS

2:45 p.m. - 3:00 p.m. **68-OR The Molecular Pathways of Type 2 Diabetes Using Proteomics, Metabolic, and Anthropometric Profile in Cross-Ancestry Biobanks**
Presenting Author: Junxi Liu, PhD

3:00 p.m. - 3:15 p.m. **69-OR Health Disparities in Type 2 Diabetes Outcomes for Transgender and Nonbinary Patients—A Nationwide Study**
Presenting Author: Jay B. Lusk, MD, MBA

3:15 p.m. - 3:30 p.m. **70-OR Risks of Cancers among Novel Subtypes of Type 2 Diabetes—A Longitudinal Analysis from the United States**
Presenting Author: Zhongyu Li, MSPH

Responsible Committee Member(s): Sagar Dugani

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR04-1.5

Leveraging Population Diversity to Improve Understanding of the Genetic Etiology of Type 1 and Type 2 Diabetes (With ADA Presidents' Select Abstract Presentation)

Room: W184 A-D

Chair(s): Suna Onengut-Gumuscu, PhD

2:00 p.m. - 2:15 p.m. **71- OR ADA Presidents' Select Abstract: HLA-Focused Meta-Genetic Risk Score (GRS) Performance in Populations of Diverse Ancestry with Type 1 Diabetes**
Presenting Author: Dominika A. Michalek, BS, MS

2:15 p.m. - 2:30 p.m. **72-OR A Novel Multiancestry Polygenic Score Improves T1D Risk Prediction in Non-European Populations**
Presenting Author: Aaron J. Deutsch, MD

2:30 p.m. - 2:45 p.m. **73-OR Large-Scale Multiancestry Recessive GWAS Meta-analysis Identifies Novel Recessive Associations and Improves Polygenic Prediction of Type 2 Diabetes**
Presenting Author: Maheak Vora, MS

2:45 p.m. - 3:00 p.m. **74-OR Improved Polygenic Risk Prediction for Type 2 Diabetes through a GWAS Meta-analysis of over 200,000 Latin American Individuals**
Presenting Author: Alicia Huerta, PhD

3:00 p.m. - 3:15 p.m. **75-OR Novel Syndromic Forms of Diabetes within the Rare and Atypical Diabetes Network (RADIANT)**
Presenting Author: Stephen I. Stone, MD

3:15 p.m. - 3:30 p.m. **76-OR Molecular Characterizations of the Pathophysiology of Type 2 Diabetes in a Hispanic and Latino Population**
Presenting Author: Elizabeth G. Frankel, BS

Responsible Committee Member(s): Cassandra Spracklen

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Panel Discussion

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-PN01-1.5

What Is the Real Molecular Target(s) of Metformin?

Room: W183 A

Chair(s): Lawrence Kazak, PhD

2:00 p.m. - 2:20 p.m.	**The Intersection of Metformin and Inflammation** Barbara Nikolajczyk, PhD
2:20 p.m. - 2:40 p.m.	**Molecular Mechanisms of Metformin Action on the Mitochondria** Navdeep S. Chandel, PhD
2:40 p.m. - 3:00 p.m.	**Metformin and Fructose Metabolism** Mark Herman, MD
3:00 p.m. - 3:20 p.m.	**Metformin and Hepatic Gluconeogenesis** Benoit Viollet, PhD
3:20 p.m. - 3:30 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paul Titchenell and Katrin Svenssson

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR01-1.5

Apoptosis (Living, Dying, and Surviving in the Pancreatic Islet)

Room: W190 A

Chair(s): Rohit B. Sharma, PhD

2:00 p.m. - 2:15 p.m.	**77- OR BNIP3-Mediated Mitophagy Protects Human β-Cells by Regulating Mitochondrial Integrity and Immunogenicity in Type 1 Diabetes (T1D)** Presenting Author: Geming Lu, MD
2:15 p.m. - 2:30 p.m.	**78-OR KAYO-1732, a First-in-class Oral ALDH1A3 Inhibitor, Blocks Retinoid Nuclear Receptor Signaling to Regenerate Pancreatic Islets and Reverse Type 2 Diabetes** Presenting Author: Mark Esposito, PhD
2:30 p.m. - 2:45 p.m.	**79-OR SEC31A: A Novel Regulator of Pancreatic Alpha-Cell Survival Identified via Genome-Wide CRISPR Screen** Presenting Author: Kimitaka Shibue, MD PhD
2:45 p.m. - 3:00 p.m.	**80-OR STAT-Dependent β-Cell Extracellular Vesicle (EV) Programmed Death-Ligand 1 (PD-L1) Shuttling Abrogates CD4+ T Cell Activation in Type 1 Diabetes (T1D)** Presenting Author: Irene Amalaraj, BA
3:00 p.m. - 3:15 p.m.	**81-OR Hide and Seek—Modulating PDL1 and HLA Class I Expression to Protect Human β-Cells in T1D** Presenting Author: Burcak Yesildag, PhD
3:15 p.m. - 3:30 p.m.	**82-OR RIPK1 Kinase Activity Regulates Cytokine-Induced β-Cell Cytotoxicity** Presenting Author: Christopher J. Contreras, PhD

Responsible Committee Member(s): Alejandro Caicedo, Manami Hara, and Teresa Mastracci

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR01-1.5

Expanding Obesity Therapeutic Options—Preclinical Studies

Room: W196 BC

Chair(s): Megan Capozzi, PhD

2:00 p.m. - 2:15 p.m.	**83- OR GLP-1RA Efficacy Doubled with Small Molecule Modulators of Pyruvate Kinase for Obesity Treatment** Presenting Author: Richard Kibbey, MD, PhD
2:15 p.m. - 2:30 p.m.	**84-OR siRNA-INHBE Silencing in Mice Recapitulates Human Genetic Data and Demonstrates Improved Healthy Weight Loss Profile** Presenting Author: Hsiu-Chiung Yang, PhD
2:30 p.m. - 2:45 p.m.	**85-OR A Novel Unimolecular Peptide Tetra-agonist (PTT-A) Targeting GLP-1, GIP, Amylin, and Calcitonin Receptors with Superior Weight Loss Effects vs. Tirzepatide While Preserving Muscle in DIO Rats** Presenting Author: Cristina M. Rondinone, PhD
2:45 p.m. - 3:00 p.m.	**86-OR The Amylin Receptor Selective Agonist NN1213 Reduces Food Intake and Body Weight in Rats without Decreasing Calcium Plasma Levels** Presenting Author: David Ipsen, PhD
3:00 p.m. - 3:15 p.m.	**87-OR The Impact of GIPR Agonism vs. Antagonism for Weight Loss and Regain** Presenting Author: Sophie L. Lewandowski, PhD
3:15 p.m. - 3:30 p.m.	**88-OR Long-Acting Amylin Analog AZD6234 in Combination with the GLP-1R Agonist Semaglutide Enhances Body Weight and Fat Mass Loss in Diet-Induced Obese (DIO) Rats** Presenting Author: Gisela Geoghegan, PhD Biochemistry

Responsible Committee Member(s): Rebecca Haeusler and Ellen Schur

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR04-1.5

Decoding Alpha- and Beta-Cell Function—Human Studies Advancing Imaging, Biomarkers, and Therapeutic Insights

Room: W196 A

Chair(s): Ismail Syed, MS, Ph.D.

2:00 p.m. - 2:15 p.m.	**89- OR Modeling the Decline of Beta-Cell Function in Presymptomatic Stage 2 Type 1 Diabetes** Presenting Author: Jacopo Bonet, PhD
2:15 p.m. - 2:30 p.m.	**90-OR Effects of Glucagon-Like Peptide 1 (GLP-1) Agonist Therapy on Islet Function in Adults with Pancreatic-Insufficient Cystic Fibrosis (PI-CF) and Abnormal Glucose Tolerance (AGT)—Preliminary Results** Presenting Author: Sujatha Reddy, MD
2:30 p.m. - 2:45 p.m.	**91-OR Imaging β-Cell Response to Oral Glucose Stimulation with Quantitative Blood Oxygenation Dependent (qBOLD) MRI** Presenting Author: David A. Reiter, PhD
2:45 p.m. - 3:00 p.m.	**92-OR Evaluating Intact Proinsulin, Des-31,32 Proinsulin, and Des-64,65 Proinsulin as Potential Biomarkers of Type 1 Diabetes** Presenting Author: Weijun Qian, PhD
3:00 p.m. - 3:15 p.m.	**93-OR Early Defects of Beta-Cell Function Are Associated with Disrupted BAG3-Insulin Colocalization in Humans Islets** Presenting Author: Gea Ciccarelli, MD
3:15 p.m. - 3:30 p.m.	**94-OR The Glucagonotropic Effect of Glucose-Dependent Insulinotropic Polypeptide Is Negated during Insulin-Induced Hypoglycemia in Persons with Type 1 Diabetes** Presenting Author: Nikolaj E. Sørum, MD

Responsible Committee Member(s): Janice Hwang

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR07-1.5

Unraveling the Secrets of Energy, Appetite, and Sugar Control

Room: W194 AB

Chair(s): Lisa R. Beutler, MD, PhD

2:00 p.m. - 2:15 p.m.	**95- OR Identification of a Novel Subset of Cold-Activated Hypothalamic Neurons That Stimulate Feeding** Presenting Author: Christina A. Watts, PhD
2:15 p.m. - 2:30 p.m.	**96-OR Disruption of Leptin Receptor in Choroid Plexus Epithelial Cells Impairs Feeding Regulation and Weight Control** Presenting Author: Kellen Rodrigues, PhD
2:30 p.m. - 2:45 p.m.	**97-OR RNA m6A Methylation Controls the Central Melanocortin System, Energy Balance, Body Weight, and Metabolism** Presenting Author: Yuan Li, PhD
2:45 p.m. - 3:00 p.m.	**98-OR Melanocortin 4 Receptor–Mediated Effects Require Beta-Arrestin 2 Signaling** Presenting Author: Misbah Rashid, PhD
3:00 p.m. - 3:15 p.m.	**99-OR AgRP Neuron Hyperactivity Drives Hyperglycemia in a Mouse Model of Type 2 Diabetes** Presenting Author: Yang Gou, PhD
3:15 p.m. - 3:30 p.m.	**100-OR Hypothalamic Fibroblast Growth Factor-1 Signaling Is Required for Normal Energy and Glucose Homeostasis** Presenting Author: Pique Choi, PhD

Responsible Committee Member(s): Young-Bum Kim

FRIDAY, JUNE 20, 2025

2:00 p.m. - 3:30 p.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY07-1.5

NIDDK Early Career Investigator Symposium—Neuroscience and Diabetes—Innovations Across the Translational Science Spectrum

Room: W192 A-C

Chair(s): Maureen Monaghan Center, PhD

2:00 p.m. - 2:20 p.m.	**Mechanisms Underlying Autonomic Innervation Plasticity in Regulating Energy Balance** Ken Huaijin Loh, PhD
2:20 p.m. - 2:40 p.m.	**Brain Vascular Signatures in Drug-Induced Recurrent Hypoglycemia and Associated Cognitive Dysfunction** Yun-Sheng Chen, PhD
2:40 p.m. - 3:00 p.m.	**Reversibility of Brain Glucose Kinetics in Type 2 Diabetes** Elizabeth Sanchez Rangel, MD
3:00 p.m. - 3:20 p.m.	**Glucose Variability and Cognitive Function via EMA in Type 1 Diabetes Youth** Mary Katherine Ray, PhD
3:20 p.m. - 3:30 p.m.	**Question and Discussion Period**

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Panel Discussion

Theme Area: Acute and Chronic Complications

Session Number: AC-PN03-1.5

Screening and Primary Prevention Strategies for ASCVD in Diabetes

Room: W184 A-D

Chair(s): Dennis Bruemmer, MD, PhD

3:45 p.m. - 4:00 p.m.	**When and How to Screen for ASCVD—Role of Coronary Calcium Scans in Risk Stratification** Matthew Budoff, MD
4:00 p.m. - 4:15 p.m.	**Aspirin for Primary Prevention of CVD in Diabetes—When Should It Be Used?** David Aguilar, MD
4:15 p.m. - 4:30 p.m.	**BP Targets for Primary Prevention of CVD in Diabetes—How Low to Go?** Ian de Boer, MD, MS
4:45 p.m. - 5:00 p.m.	**Glucose-Lowering Drugs with Focus on Primary Prevention of CVD—What Matters?** Cecilia Low Wang, MD
5:00 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rita Kalyani

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY05-1.5

Opening a Door to Precision Medicine—Lessons from Human Kidney Tissue in Diabetes

Room: W186 A-C

Chair(s): Christine P. Limonte, MD

3:45 p.m. - 4:05 p.m.	**Impact of Modern Diabetes Technology on Kidneys in Type 1 Diabetes** Kalie L. Tommerdahl, MD, MS
4:05 p.m. - 4:25 p.m.	**Finding Subendotypes in Diabetic Kidney Disease** Loreto Gesualdo, MD
4:25 p.m. - 4:45 p.m.	**Endothelial Cell Fates in Diabetic Kidney Disease—Lessons from the Kidney Precision Medicine Project** Ricardo Melo Ferreira
4:45 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Jennifer Schaub

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Panel Discussion

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-PN03-1.5

Innovative Solutions to the Challenges of Inpatient Diabetes Care and Education—From Hospital to Home

Room: W185 A-D

Chair(s): Rebecca Longo, DNP, ACNP-BC, CDCES

3:45 p.m. - 4:05 p.m.	**Supporting Wearing Personal Diabetes Devices during Hospitalization—From Policy to Practice** Michael S. Hughes, MD
4:05 p.m. - 4:25 p.m.	**Inpatient Diabetes Care and Education Telehealth—The Future Is Now** Jane Seley, DNP, MPH, MSN, GNP, BC-ADM, CDCES, FADCES
4:25 p.m. - 4:45 p.m.	**Empowering Patients for Success—Ensuring Access to Advanced Technology and Optimal Medications after Hospitalization** Nadine E. Palermo, DO
4:45 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rebecca Longo and Jenny DeJesus

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY06-1.5

ADA Education Recognition Program (ERP)—Learning to Unlearn to Learn to Drive Innovation in Population Health Delivery, What We Know About Diabetes That Can Impact Obesity Care

Room: W180

Chair(s): Barbara Eichorst, MS, RD, CDCES

3:45 p.m. - 4:00 p.m.	**Role of Primary Care in Obesity and SDOH** Elbert S. Huang, MD, MPH, FACP
4:15 p.m. - 4:30 p.m.	**Real-World Applications of Managing Obesity within SDOH** Michael Knight, MD, MSHP, FACP
4:45 p.m. - 5:00 p.m.	**Role of Pharmacists on Providing Population Health** Jon Easter
5:00 p.m. - 5:15 p.m.	**Question and Discussion Period**

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY01-1.5

Controversies in Peripartum Management of Diabetes

Room: W183 A

Chair(s): Christina M. Scifres, MD

3:45 p.m. - 4:05 p.m.	**Revisiting Intrapartum Glycemic Targets** Michal Bartal
4:05 p.m. - 4:25 p.m.	**Treating Corticosteroid-Induced Hyperglycemia in Pregnancy** Ashley Battarbee, MD, MSCR
4:25 p.m. - 4:45 p.m.	**Using Diabetes Technology during Labor and Delivery** Lois Donovan, MD, FRCPC
4:45 p.m. - 5:05 p.m.	**Managing Diabetes Postpartum and during Breastfeeding** Jennifer Yamamoto, MD, FRCPC
5:05 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Camille Powe

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY10-1.5

Controversies in Continuous Glucose Monitoring

Room: W183 BC

Chair(s): Peter Calhoun, PhD

3:45 p.m. - 4:05 p.m.	**To Trust or Not to Trust—Reported CGM Accuracy** Michael Kohn, MD, MPP
4:05 p.m. - 4:25 p.m.	**When to Use GMI vs. HbA1c** Nicole Ehrhardt, MD
4:25 p.m. - 4:45 p.m.	**Assessing Complications Risk with TIR/TITR vs. HbA1c** Tadej Battelino, MD, PhD
4:45 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY21-1.5

PATHWEIGH Trial—Building the Highway for Weight Management in Primary Care

Room: W375 A

Chair(s): Ildiko Lingvay, MD, MPH, MSCS; Vanita R. Aroda, MD

3:45 p.m. - 4:00 p.m.	**PATHWEIGH—What It Is, How It Works, and Why It Is Important** Peter C. Smith, MD
4:00 p.m. - 4:15 p.m.	**PATHWEIGH—Building the Highway for Weight Management in Primary Care** Mark Gritz, PhD
4:15 p.m. - 4:30 p.m.	**Effectiveness of the Intervention on Patient Weight** Leigh Perreault, MD
4:30 p.m. - 4:45 p.m.	**How the Results Happened—Implementation in Practice** Jodi S. Holtrop, PhD
4:45 p.m. - 5:00 p.m.	**Reflections—What We Learned, What Can Be Next** Robert Kushner, MD, MS
5:00 p.m. - 5:15 p.m.	**Question and Discussion Period**

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY05-1.5

Ready for Prime Time?—Pharmacoepidemiology and Real-World Evidence

Room: W187 A-C

Chair(s): Elisabetta Patorno, MD, DrPH

3:45 p.m. - 4:05 p.m.	**What Is the Role of Pharmacoepidemiology and Real-World Evidence for Decision Making in Diabetes Treatment?** Sara Jane Cromer, MD
4:05 p.m. - 4:25 p.m.	**Assessing the Safety of Diabetes Treatment—Providing Timely Real-World Evidence** Chintan Dave, PharmD, PhD
4:25 p.m. - 4:45 p.m.	**Complementing Evidence from RCTs—Modern Pharmacoepidemiological Methods to Evaluate the Effectiveness of Diabetes Treatment** Christianne Roumie, MD MPH
4:45 p.m. - 5:05 p.m.	**What's Next? Addressing Biases and Future Directions in Pharmacoepidemiology and the Use of Real-World Evidence** Laurent Azoulay, PhD
5:05 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Sagar Dugani

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-SY01-1.5

Metabolic Mediators of Metabolic Wasting

Room: W181 A-C

Chair(s): Darleen A. Sandoval, PhD

3:45 p.m. - 4:05 p.m.	**Mechanisms of Adipocyte Energy Expenditure** Lawrence Kazak, PhD
4:05 p.m. - 4:25 p.m.	**Skeletal Muscle Dysfunction in Metabolic Disease** Rita T. Brookheart, PhD
4:25 p.m. - 4:45 p.m.	**Novel Molecular Targets of Metabolic Wasting Disease** Stephan Herzig, PhD
4:45 p.m. - 5:05 p.m.	**Metabolic Flux in Cachexia** Tony Hui, PhD
5:05 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paul Titchenell and Katrin Svenssson

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-SY01-1.5

Timing Is Everything—Circadian Rhythms in Health and Disease

Room: W194 AB

Chair(s): Raghavendra G. Mirmira, MD, PhD

3:45 p.m. - 4:05 p.m.	**Circadian Regulation of the Pancreatic Beta Cell** Christine Doucette, PhD
4:05 p.m. - 4:25 p.m.	**Circadian Regulation of Glucose Homeostasis in Health and Disease** Aleksey Matveyenko, PhD
4:25 p.m. - 4:45 p.m.	**Benefits of Time-Restricted Eating** Satchidananda Panda, PhD
4:45 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Manami Hara, Alejandro Caicedo, and Teresa Mastracci

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY06-1.5

Innovating Stem Cell Manufacturing and Engraftment Strategies for Cell Replacement Therapy

Room: W196 BC

Chair(s): Jeffrey R. Millman, PhD

3:45 p.m. - 4:05 p.m.	**Gearing Beta-Cell Differentiation Protocols towards Large-Scale Manufacturing** Tom Bollenbach, PhD
4:05 p.m. - 4:25 p.m.	**Vascularization of Beta-Cell Grafts Improves Survival and Function** Antonio Citro, PhD
4:25 p.m. - 4:45 p.m.	**Prevascularization Strategies in Cell-Replacement Therapy** Andrew Pepper, PhD
4:45 p.m. - 5:05 p.m.	**Amelioration of Hyperglycemia Using Stem Cell-Derived Islets in Different Transplantation Sites in Nonhuman Primates** Honkui Deng, PhD
5:05 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Holger Russ

FRIDAY, JUNE 20, 2025

3:45 p.m. - 5:15 p.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY01-1.5

Interoception—Brain–Body Communication Controls Metabolism

Room: W190 A

Chair(s): Gary J. Schwartz, PhD

3:45 p.m. - 4:05 p.m.	**A Gut-Brain Signaling Circuit for Metabolic Homeostasis** Lisa R. Beutler, MD, PhD
4:05 p.m. - 4:25 p.m.	**Life Without Insulin** Roberto Coppari, PhD
4:25 p.m. - 4:45 p.m.	**The Brain Contributes to Adipose Function in Metabolic Health** Kristy L. Townsend, PhD
4:45 p.m. - 5:05 p.m.	**Bidirectional Communication between the Liver and Brain—Its Role in Hepatic Steatosis and Anxiety-Like Behavior** Young-Hwan Jo, PhD
5:05 p.m. - 5:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Young-Bum Kim

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR05-1

Advancing Care for Diabetic Kidney Disease—Top Research Abstracts

Room: W185 A-D

Chair(s): Sylvia Rosas, MD, MSCE

5:30 p.m. - 5:45 p.m.	**101-OR Spatial and Single-Cell Analysis of Youth-Onset Type 2 Diabetes Reveals Diabetic Kidney Disease as a Myeloid and T-Cell Activation Disorder with Senescence** Presenting Author: Long Yuan, MMSc
5:45 p.m. - 6:00 p.m.	**102-OR Long-Term Kidney Outcomes following Metabolic and Bariatric Surgery in Adolescents with Severe Obesity** Presenting Author: John B. Rode, MD
6:00 p.m. - 6:15 p.m.	**103-OR Association of Tirzepatide with Kidney Parameters in People with Obesity and Prediabetes from SURMOUNT-1 over 176 Weeks** Presenting Author: Hiddo L. Heerspink, PhD
6:15 p.m. - 6:30 p.m.	**104-OR Impact of Smartphone-Enabled Home Urine Albuminuria Testing on Albuminuria Screening and Management** Presenting Author: Waleed Zafar, MD, ScD

Responsible Committee Member(s): Jennifer Schaub

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR09-1

Diabetic Neuropathy—Unraveling Pain Mechanisms, Systemic Complications, and Innovations in Prevention and Treatment (With ADA Presidents' Select Abstract Presentation)

Room: W180

Chair(s): Evan L. Reynolds, PhD

5:30 p.m. - 5:45 p.m.	**105- OR ADA Presidents' Select Abstract: Enhanced Dopamine and Opioid Receptor Target Engagement Predicts Neuropathic Pain Treatment Response—A Resting-State fMRI Study in Painful Diabetic Neuropathy** Presenting Author: Dinesh Selvarajah, MB, ChB, MRCP, PhD
5:45 p.m. - 6:00 p.m.	**106-OR Diabetic Cardiac Autonomic Neuropathy Increases the Risk of Heart Failure among Type 2 Diabetes Mellitus Patients with Silent Myocardial Infarction** Presenting Author: Qinwen Luo, Master's Degree
6:00 p.m. - 6:15 p.m.	**107-OR Impact of Microvascular Complications on Severe Mental Illness Risk in Patients with Type 2 Diabetes—A Nationwide Cohort Study in Taiwan** Presenting Author: Chii-Min Hwu, MD
6:15 p.m. - 6:30 p.m.	**108-OR A Systematic Review and Meta-analysis of RCTs to Prevent Diabetic Neuropathy in Adults with Type 2 Diabetes** Presenting Author: Alana L. Sheehan, .

Responsible Committee Member(s): Lynn Ang

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR11-1

Advancing Diabetic Retinopathy Care—Integrating Clinical Insights, AI, and Health Equity

Room: W181 A-C

Chair(s): Roomasa Channa, MD

5:30 p.m. - 5:45 p.m.	**109-OR Glycemic Risk Index (GRI) Is Related to Type 1 Diabetes Complications—Insights from the Virtual Diabetes Control and Complications Trial (DCCT)** Presenting Author: Mohammadreza Ganji, Bachelor's Degree
5:45 p.m. - 6:00 p.m.	**110-OR Association of Glycemic Control with Inverse Risk of Age-Related Macular Degeneration and Diabetic Retinopathy Severity in Type 1 Diabetes** Presenting Author: Ward Fickweiler, MD
6:00 p.m. - 6:15 p.m.	**111-OR Assessing the Diabetic Eye Disease Care Continuum—Screening Gaps and Predictors among Type 2 Diabetes Mellitus Patients at Two Academic Medical Centers within the University of California Health System** Presenting Author: Aryan Ayati, MD,MPH
6:15 p.m. - 6:30 p.m.	**112-OR Mitigating Adoption Bias in Medical Autonomous AI—Quantifying the Balance between Accuracy and Access** Presenting Author: Roomasa Channa, MD

Responsible Committee Member(s): Paolo Silva

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR14-1

Mechanisms Linking Adipose Health with Lipid and Glucose Homeostasis

Room: W186 A-C

Chair(s): John Ostrominski, MD

5:30 p.m. - 5:45 p.m.	**113- OR Adipose Tissue Insulin Resistance Facilitates Fasting Glucose Elevation in Adults without Diabetes** Presenting Author: Yong Tian, MD
5:45 p.m. - 6:00 p.m.	**114-OR The Mammalian Adipose Tissue Knowledge Portal (MATKP)—An Open-Access Web Resource Providing Data and Knowledge Related to Mammalian Adipose Tissue** Presenting Author: Julie Jurgens, PhD
6:00 p.m. - 6:15 p.m.	**115-OR Lipophagy Is a Critical Mediator of Lipid Metabolism in Adipocytes** Presenting Author: Yu-Sheng Yeh, PhD, RD
6:15 p.m. - 6:30 p.m.	**116-OR The Nuclear Receptor NR5A1 Promotes Adipogenesis via Improving Mitobiogenesis and CLSTN3β Transcription** Presenting Author: Yanglei Cheng, MD

Responsible Committee Member(s): Laura den Hartigh

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR03-1

Physical Activity—Barriers, Facilitators, and Key Outcomes

Room: W183 A

Chair(s): Grazia Aleppo, MD, FACE, FACP

5:30 p.m. - 5:45 p.m. **117- OR Changes in Barriers to Physical Activity in Adults with Type 1 Diabetes—Association with Clinical and Psychological Factors**
Presenting Author: Capucine Guédet, Master's Degree

5:45 p.m. - 6:00 p.m. **118-OR Social Determinants of Physical Activity in Young Adults with and without Prediabetes or Type 2 Diabetes**
Presenting Author: Mary Ellen Vajravelu, MD, MSHP

6:00 p.m. - 6:15 p.m. **119-OR Impact of Moderate-to-Vigorous Physical Activity on Mortality in Sedentary Patients with New-Onset Type 2 Diabetes Compared with General Populations—A Nationwide Target Trial Emulation Study**
Presenting Author: Sang Ho Park, MSc

6:15 p.m. - 6:30 p.m. **120-OR Does Higher Physical Activity Lower Mortality in U.S. Adults with Diabetes and Myocardial Infarction? A Formal Analysis Using the Recent CDC Physical Activity Categories**
Presenting Author: Sundar Natarajan, MSc

Responsible Committee Member(s): Michael Riddell

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR06-1

Maternal and Child Health—Exploring Nutrition, Metabolism, and Genetic Influences (With ADA Presidents' Select Abstract Presentation)

Room: W187 A-C

Chair(s): Patricia Davidson, DCN, MS, RDN, LDN, CDCES

5:30 p.m. - 5:45 p.m.	**121- OR ADA Presidents' Select Abstract: Genetic Susceptibility to Macronutrient Preference Is Associated with Consumption of Sugar-Sweetened Beverages and Fast Food in Children** Presenting Author: Soren Harnois-Leblanc, DtP PhD
5:45 p.m. - 6:00 p.m.	**122-OR Maternal Serum Polyol Levels Associated with Glucose Metabolism and Large-for-Gestational-Age Infants—Findings from a Population-Based Nested Case-Control Study** Presenting Author: Tao Tan, BS
6:00 p.m. - 6:15 p.m.	**123-OR Impact of the Healthy Gut Diet Intervention on Maternal Diet Postpartum—A Pilot Randomised Controlled Trial** Presenting Author: Hannah M. O'Connor, .
6:15 p.m. - 6:30 p.m.	**124-OR Assessment of Caregiver and Patient Perceptions and Utilization of Medical Nutrition Therapy and Associated Child Health Outcomes in Pediatric Type 1 Diabetes** Presenting Author: Svetlana Azova, MD

Responsible Committee Member(s): Gretchen Benson

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-DB04-1

Social Driver of Health Needs (SDOH) and Cost—To Be or Not to Be? Should We Be Incorporating Social Health Needs and Cost in Our Recommendations/Guidelines?

Room: W183 BC

Chair(s): Aaron N. Winn, PhD

5:30 p.m. - 5:45 p.m.	**Yes, We Should** Monica E. Peek, MD, MPH, MSc
5:45 p.m. - 6:00 p.m.	**No, We Should Not** Daniel J. Rubin, MD, MSc, FACE
6:00 p.m. - 6:05 p.m.	**Rebuttal—Yes, We Should** Monica E. Peek, MD, MPH, MSc
6:05 p.m. - 6:10 p.m.	**Rebuttal—No, We Should Not** Daniel J. Rubin, MD, MSc, FACE
6:10 p.m. - 6:30 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Amisha Wallia

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR05-1

Medications Effects on the Kidney, Liver, and Epicardium in Diabetes

Room: W375 A

Chair(s): Sadia Ali, MD

5:30 p.m. - 5:45 p.m.	**125- OR Effect of CT-388, a Signal-Biased Dual GLP-1/GIP Receptor Agonist, on Liver-Related MRI Parameters in Patients with Obesity** Presenting Author: Alexandra Steinberg, MD PhD
5:45 p.m. - 6:00 p.m.	**126-OR Efficacy and Safety of a Novel Dual GLP-1/GIP Receptor Agonist in Participants with Type 2 Diabetes Mellitus Up to 32 Weeks** Presenting Author: Meifang Zeng, MD
6:00 p.m. - 6:15 p.m.	**127-OR A Four-Week Treatment with Dapagliflozin Reduces Insulin-Stimulated Renal Glucose Uptake** Presenting Author: Shawn Gugliandolo, MD
6:15 p.m. - 6:30 p.m.	**128-OR The Significant Reduction in Epicardial Adipose Tissue Thickness after Dapagliflozin Treatment Is Preserved and Even Increased after Four Years—The DAPAHEART Four-Year Follow-up Study** Presenting Author: Cassandra Morciano, .

Responsible Committee Member(s): Rajesh Garg and Leigh Perreault

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR10-1

Real-World Automated Insulin Delivery System Results

Room: W184 A-D

Chair(s): Natalie J. Bellini, DNP, FNP-BC, BC-ADM, CDCES

5:30 p.m. - 5:45 p.m. **129- OR Real-World Efficacy of the iLet Bionic Pancreas in Adults and Children during the First Eighteen Months of Commercial Availability**
Presenting Author: Steven J. Russell, MD, PhD

5:45 p.m. - 6:00 p.m. **130-OR Real-World Glycemic Outcomes in Adults with Type 2 Diabetes (T2D) Using the Omnipod 5 Automated Insulin Delivery (AID) System**
Presenting Author: Sean M. Oser, MD, MPH

6:00 p.m. - 6:15 p.m. **131-OR Safety and Effectiveness Outcomes after One Year with T:slim X2 Control-IQ Technology in Children with Type 1 Diabetes Under Six Years**
Presenting Author: Valentino Cherubini, MD

6:15 p.m. - 6:30 p.m. **132-OR Days without User-Initiated Boluses—Real-World Performance of the MiniMed 780G System**
Presenting Author: Jennifer J. F. McVean, MD

Responsible Committee Member(s): Halis Akturk, Natalie Bellini, and Priya Prahalad

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR05-1

Molecular Regulation of Muscle Function and Insulin Sensitivity

Room: W190 A

Chair(s): Benoit Viollet, PhD

5:30 p.m. - 5:45 p.m.	**133- OR Cellular miRNAs Form a Network of Epigenetic Regulation of Protein Expression in Muscle in Type 2 Diabetes** Presenting Author: Allah Nawaz, PhD
5:45 p.m. - 6:00 p.m.	**134-OR NOD1 Deletion in Skeletal Muscle Protects against Palmitate-Induced Insulin Resistance** Presenting Author: S M Niazur Rahman, MD, MSc
6:00 p.m. - 6:15 p.m.	**135-OR Skeletal Muscle Insulin Sensitivity Shows Time-Dependent Regulation by the Clock Output Gene DBP** Presenting Author: Akihiko Taguchi, MD, PhD
6:15 p.m. - 6:30 p.m.	**136-OR Placental-Derived MicroRNAs Modulate the Insulin Response in Human Skeletal Myocytes** Presenting Author: Imad Soukar, PhD

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Debate

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-DB01-1

Take Me to the River—Is Islet Blood Flow Closed and Active, or Integrated and Passive?

Room: W194 AB

Chair(s): Alejandro Caicedo

5:30 p.m. - 5:45 p.m.	**Islet Blood Flow Is Closed and Active** Joana Almaca, PhD
5:45 p.m. - 6:00 p.m.	**Islet Blood Flow Is Integrated and Passive** Marjan Slak Rupnik, PhD
6:00 p.m. - 6:05 p.m.	**Rebuttal—Islet Blood Flow Is Closed and Active** Joana Almaca, PhD
6:05 p.m. - 6:10 p.m.	**Rebuttal—Islet Blood Flow Is Integrated and Passive** Marjan Slak Rupnik, PhD
6:10 p.m. - 6:30 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Manami Hara, Alejandro Caicedo, and Teresa Mastracci

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-OR04-1

Innovation and Progress in Stem Cell–Derived Islet-Cell Replacement Therapy

Room: W192 A-C

Chair(s): Barak Blum, PhD

5:30 p.m. - 5:45 p.m.	**137- OR Towards Retrievable, Immune-Priviledged, 3D-Printed Hydrogels to Deliver Functional Islets** Presenting Author: Harald Stover, PhD
5:45 p.m. - 6:00 p.m.	**138-OR Cellular and Gene Therapy Development for Severe Hypoglycemia via Direct Innovative Cell Conversion** Presenting Author: Masahito Matsumoto, PhD
6:00 p.m. - 6:15 p.m.	**139-OR AdoShell®, a Nonfibrotic Encapsulation System, Enables Stem Cell-Derived Islets In Vivo Maturation for T1DM Treatment** Presenting Author: Nicolas Laurent, PhD
6:15 p.m. - 6:30 p.m.	**140-OR Durable Glycemic Control and Elimination of Exogenous Insulin Use with VX-880 in Patients with Type 1 Diabetes (T1D)—VX-880-101 (FORWARD)** Presenting Author: Michael R. Rickels, MD, MS

Responsible Committee Member(s): Holger Russ

FRIDAY, JUNE 20, 2025

5:30 p.m. - 6:30 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR03-1

Incretin-Based Combination Therapies for Obesity—Clinical Studies

Room: W196 BC

Chair(s): Jennifer B. Green, MD

5:30 p.m. - 5:45 p.m.	**141- OR Safety, Tolerability, and Clinical Effects of Dapiglutide, a Once-Weekly GLP-1R/GLP-2R Agonist** Presenting Author: Tim Heise, MD
5:45 p.m. - 6:00 p.m.	**142-OR Safety, Tolerability, Pharmacokinetics (PK), and Pharmacodynamics (PD) of a Dual GLP-1/GIP Receptor Agonist (HDM1005)—A Phase I, Randomized, Double-Blind, Placebo-Controlled, Single and Multiple Dose-Escalation Study** Presenting Author: Junfang Xu, MD
6:00 p.m. - 6:15 p.m.	**143-OR NA-931, a Novel Quadruple IGF-1-1, GLP-1, GIP, and Glucagon Receptor Agonist Reduces Body Weight without Muscle Loss** Presenting Author: Lloyd L. Tran, PhD
6:15 p.m. - 6:30 p.m.	**144-OR Sustained Weight Reduction by Thresholds in Adults with Obesity and Prediabetes Treated with Tirzepatide over 176 Weeks (SURMOUNT-1)** Presenting Author: Jamy D. Ard, MD

Responsible Committee Member(s): Rebecca Hauesler and Ellen Schur

FRIDAY, JUNE 20, 2025

6:30 p.m. - 8:30 p.m.

Networking Reception

Session Number: NWR-01

American Diabetes Association Networking Reception

Room: Hall F2 (Level 3)

6:30 p.m. - 8:30 p.m.	**American Diabetes Association Networking Reception**

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY01-1.5

Bridging the Gap—The Brain-Peripheral Nervous System Connection in Diabetes

Room: W183 A

Chair(s): Rodica Pop-Busui, MD, PhD

8:00 a.m. - 8:20 a.m.	**From Insulin Resistance to Neuroinflammation—GLP-1 Medicines and the Evolution of Neurodegenerative Disorders** Daniel Drucker, MD
8:20 a.m. - 8:40 a.m.	**Clinical Insights—How Central and Peripheral Neuropathy Intersect in Diabetes** Jose Luchsinger, MD, MPH
8:40 a.m. - 9:00 a.m.	**Mind and Nerve—Addressing the Psychological Burden of Diabetic Neuropathy** Kara Mizokami-Stout, MD, MSc
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Lynn Ang

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY10-1.5

Addressing the Residual Cardiovascular Risk in People with Diabetes and ASCVD

Room: W184 A-D

Chair(s): Mohammed E. Al-Sofiani, MD, MSc

8:20 a.m. - 8:40 a.m.	**Does Glycemic Management Stop Once A1C Is at Goal? Impact of Other Glycemic Metrics on CV Risk among People with Diabetes** Irl Hirsch, MD
8:40 a.m. - 9:00 a.m.	**New Insights into the Role of Inflammation in ASCVD and Approaches to Detection and Management** Vanita Aroda, MD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rita Kalyani

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY03-1.5

Hiding in Plain Sight—The Need to Address Diabetes Identity in Order to Optimize Outcomes

Room: W181 A-C

Chair(s): Stuart A. Weinzimer, MD

8:00 a.m. - 8:20 a.m.	**The Fundamental Concept of Illness Identity in Living with Diabetes** Elise Van Laere, FWO, PhD Candidate
8:20 a.m. - 8:40 a.m.	**Developing a Positive Identity—Barriers and Pathways to Accepting Diabetes and Improving Diabetes Management** Deborah Wiebe, PhD, MPH
8:40 a.m. - 9:00 a.m.	**Becoming One with the Beeping—Exploring Identity with Diabetes and Technology Use** Persis Commissariat, PhD, CDCES
9:00 a.m. - 9:20 a.m.	**Finding Myself with Diabetes—Stories of Lived Experience** Rebecca J. Vitale, MD, MPH Korey K. Hood, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Elizabeth Beverly

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-PN02-1.5

Clinical Applications of Artificial Intelligence and Diabetes Technology

Room: W183 BC

Chair(s): Priya Prahalad, MD, PhD

8:00 a.m. - 8:20 a.m.	**Opportunities and Pitfalls of AI in Clinical Care** Yaa Kumah-Crystal, MD, MPH
8:20 a.m. - 8:40 a.m.	**Remote Patient Monitoring—Bringing Care to the Patient** Mindy Lee, MD, PhD
8:40 a.m. - 9:00 a.m.	**The Future of Automated Insulin Delivery Systems** Marc Breton, PhD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY20-1.5

ADA Diabetes Care Symposium—How Do We Fix a Broken Health Care System?

Room: W187 A-C

Chair(s): Steven E. Kahn, MB, ChB; Elizabeth Selvin, PhD, MPH

8:00 a.m. - 8:20 a.m.	**Preventative Care—Addressing Upstream Social Needs and Social Determinants** Namratha R. Kandula, MD, MPH
8:20 a.m. - 8:40 a.m.	**Alternative Payment Options** Marshall Chin, MD, PhD
8:40 a.m. - 9:00 a.m.	**Pricing of Medications—How Do We Equalize Costs to Americans?** Mariana Socal, MD, PhD
9:00 a.m. - 9:20 a.m.	**A Comprehensive View to Improving Health Care for Americans** Seth A. Berkowitz, MD, MPH
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY33-1.5

Standards of Care in Diabetes 2025 Updates

Room: W185 A-D

Chair(s): Nuha A. El Sayed, MD, MMSc; Raveendhara Bannuru, MD, PhD, FAGE

8:00 a.m. - 8:10 a.m.	**Population Health** Justin Echouffo Tcheugui, MD, PhD
8:10 a.m. - 8:20 a.m.	**Nutrition** Kathaleen Briggs Early, PhD, RDN, CDCES
8:20 a.m. - 8:30 a.m.	**Diabetes Technology** Grazia Aleppo, MD, FACE, FACP
8:30 a.m. - 8:40 a.m.	**Inpatient and DKA** Rajesh K. Garg, MD
8:40 a.m. - 8:50 a.m.	**Pregnancy** Sarit Polsky, MD, MPH
8:50 a.m. - 9:00 a.m.	**Older Adults** Naushira Pandya, MD, CMD, FACP
9:00 a.m. - 9:10 a.m.	**Glucose-Lowering Pharmacotherapy** Rozalina G. McCoy, MD, MS
9:10 a.m. - 9:30 a.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY39-1.5

Emerging Non-Peptide, Small Molecule GLP-1 Receptor Agonists—Can They Become Players?

Room: W375 A

8:00 a.m. - 8:20 a.m.	**Digging Into the GLP-1 Receptor to Understand Where and How the Small Nonpeptide GLP-1RAs Work—Are They All Created Equal?** Denise Wootten, PhD
8:20 a.m. - 8:40 a.m.	**Exploring Currently Available Phase 2 Clinical Trials of Small Nonpeptide GLP-1RAs—Do They Look Promising?** Tina Vilsbøll, MD, DMSc
8:40 a.m. - 9:00 a.m.	**First Report of a Phase 3 RCT of Orforglipron, a Small Nonpeptide GLP-1RA, as Monotherapy in Drug-Naïve Type 2 Diabetes with Inadequate Glycemic Control—The ACHIEVE-1 Trial** Julio Rosenstock, MD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY03-1.5

Type 2 Diabetes—From Biology to Behavior, Is It All In The Family?

Room: W186 A-C

Chair(s): Sagar Dugani, MD, PhD, MPH

8:00 a.m. - 8:20 a.m.	**Heritability of Type 2 Diabetes across Diverse Populations** Nicole Armstrong, PhD
8:20 a.m. - 8:40 a.m.	**Interrupting the Intergenerational Cycle of Type 2 Diabetes** Armando Peña, PhD
8:40 a.m. - 9:00 a.m.	**Preventing Type 2 Diabetes in High-Risk Families** Aliria Rascón, PhD, RN
9:00 a.m. - 9:20 a.m.	**Community-Based Research and Family Engagement to Improve Type 2 Diabetes Outcomes in Adults** Arshiya A. Baig, MD, MPH
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Sagar Dugani

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-SY02-1.5

New Technologies to Address Old Questions in Molecular Metabolism

Room: W190 A

Chair(s): Hyun Roh, PhD

8:00 a.m. - 8:20 a.m.	**New Mass Spectrometry Methods to Understand Mitochondrial Redox Metabolism** Edward Chouchani, PhD
8:20 a.m. - 8:40 a.m.	**Organelle Function and Signaling in Metabolism** Ana Arruda
8:40 a.m. - 9:00 a.m.	**Methods to Study Energy Balance** Alexander Banks, Ph.D.
9:00 a.m. - 9:20 a.m.	**Imaging Metabolic Activity in Cells** Yihui Shen
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paul Titchenell and Katrin Svenssson

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-PN01-1.5

Neurotransmission in the Islet—From Outside to Inside

Room: W194 AB

8:00 a.m. - 8:20 a.m.	**Therapeutic Implications of Cholinergic Signaling in Beta-Cell Biology** Jürgen Wess, PhD
8:20 a.m. - 8:40 a.m.	**Novel Tools to Determine the Role of Pancreatic Islet Innervation** Sarah Stanley, MB, BCh, PhD
8:40 a.m. - 9:00 a.m.	**Regulation of Pancreatic Islet Secretion by Neuronal Projections from the Gut** Madina Sokolov, PhD
9:00 a.m. - 9:20 a.m.	**New Vistas on the Neuronal Regulation of Islet Function during Physiological Nutrient Absorption in Health and Diabetes** Alan Spector, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Manami Hara, Alejandro Caicedo, and Teresa Mastracci

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY03-1.5

Diverse Antigens Targeted in Type 1 Diabetes

Room: W196 BC

8:00 a.m. - 8:20 a.m.	**Identification and Tracking of Antigen Reactivity in Type 1 Diabetes** Maki Nakayama, MD, PhD
8:20 a.m. - 8:40 a.m.	**Distinct Fates of CD4 T Cells Reactive to Native or Hybrid Epitopes** Brian T. Fife, PhD
8:40 a.m. - 9:00 a.m.	**Molecular Mimicry Priming of Autoimmune T Cells in Type 1 Diabetes** Emrah Altindis, PhD
9:00 a.m. - 9:20 a.m.	**Self-Reactive B Cells in Type 1 Diabetes** Mia Smith, PhD, DVM
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Maria Bettini

SATURDAY, JUNE 21, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY04-1.5

Bench to Bedside and Beyond—Bioengineering in Beta-Cell Replacement Therapy

Room: W192 A-C

8:20 a.m. - 8:40 a.m.	**Microencapsulation Strategies for Cell-Replacement Therapy** Daniel G. Anderson, PhD
8:40 a.m. - 9:00 a.m.	**Macroencapsulated Stem Cell-Derived Pancreatic Cells in Clinical Trials** Tim Kieffer, PhD
9:00 a.m. - 9:20 a.m.	**Stem Cell-Derived Islets FORWARD VX-880 Trial Update** Michael Rickels, MD, MS
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Holger Russ

SATURDAY, JUNE 21, 2025

9:45 a.m. - 11:15 a.m.

Special Lectures and Addresses

Session Number: HCE-01

ADA Chief Executive Officer Remarks; President, Health Care & Education Address; and Outstanding Educator in Diabetes Award Lecture

Room: W375 B-E

9:45 a.m. - 10:15 a.m.	**ADA Chief Executive Officer Remarks** Charles Henderson
10:15 a.m. - 10:45 a.m.	**The 3 "Rs" of Diabetes Nutrition Therapy—Research, Recommendations, Real World** Alison Evert, MS, RDN, CDCES, FADCES
10:45 a.m. - 11:15 a.m.	**It Takes a Village—Multidisciplinary Collaboration to Optimize Diabetes Care and Education** Joshua J. Neumiller, PharmD, CDCES, FADCES, FASCP

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Acute and Chronic Complications

Session Number: AC-IG01-1

Discussion on Diabetes and Cardiovascular Disease—Addressing Cardiovascular and Kidney Disease in Type 1 Diabetes—Lessons from Type 2 Diabetes

Room: W185 A-D

Chair(s): Robert H. Eckel, MD; Chantal Mathieu, MD, PhD

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**Guidelines for Cardiovascular and Kidney Disease Management in Type 1 Diabetes—Where Are We Now?** Camila Manrique-Acevedo, MD
11:50 a.m. - 12:05 p.m.	**Reducing CVD Risk with GLP-1RA—Opportunities in Type 1 Diabetes** Ildiko Lingvay, MD, MPH, MSCS
12:05 p.m. - 12:20 p.m.	**Reducing CKD in Type 1 Diabetes SGLT2 Inhibitors and Nonsteroidal MRAs** Hiddo L. Heerspink, PhD
12:20 p.m. - 12:30 p.m.	**Panel Discussion—Where Do We Go From Here?**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Acute and Chronic Complications

Session Number: AC-IG02-1

Discussion on Foot Care—Innovations in Limb Salvage—Technology and Amputation Prevention

Room: W186 A-C

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**More than a Feeling—Improvements in Neuropathy** Shai Rozen, MD
11:50 a.m. - 12:05 p.m.	**Bugs and Drugs—Antimicrobial Strategies to Avoid Amputation** Marcos Coutinho Schechter, MD
12:05 p.m. - 12:20 p.m.	**Home Monitoring—Utilizing AI to Reduce Risks at Home** Lucian Vlad, MD
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-IG02-1

Discussion on Exercise Physiology—Lifestyle Interventions and Cognitive Function

Room: W184 A-D

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:55 a.m.	**The Impact of Exercise on Executive Function** Mark Espeland, PhD
11:55 a.m. - 12:15 p.m.	**A Look into Lifestyle Interventions and Alzheimer's Disease** Gladys Maestre, MD, PhD
12:15 p.m. - 12:30 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-IG03-1

Discussion on Diabetes Self-Management Education and Support (DSMES)—Let's Talk about DSMES – Innovations and Collaborations in Veterans Affairs and Department of Defense

Room: W183 A

Chair(s): Jennifer D'Souza, PharmD, MSEd

11:30 a.m. - 11:35 a.m.	**Introduction**
11:50 a.m. - 12:05 p.m.	**DSMES Healthy Teaching Kitchen Cooking Classes Delivered Using a Telehealth Technology in VA** Neal Kurmas, MS, RD, LD, CDCES
12:05 p.m. - 12:20 p.m.	**Veteran's Administration and Department of Defense Diabetes Self-Management Education and Support Program—Joining Forces** Jenni Osborne, MPH
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-IG05-1

Discussion on Women's Interprofessional Network of the ADA (WIN ADA)—Sponsoring Women in Diabetes Professions

Room: W181 A-C

Chair(s): Brigid Gregg, MD

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**Sponsoring Women in Diabetes Professions** Elizabeth R. Seaquist, MD
11:50 a.m. - 12:30 p.m.	**Panel Discussion** Elizabeth R. Seaquist, MD Davida F. Kruger, MSN, APN-BC, BC-ADM Barbara B. Kahn, MD Jennifer Lee, PhD

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG02-1

Discussion on Primary Care—Making the Diagnosis (Did I See a Zebra?)

Room: W187 A-C

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 12:00 p.m.	**Usual and Unusual Types of Diabetes** Jason L. Gaglia, MD, MMSc
12:00 p.m. - 12:25 p.m.	**Making the Diagnosis** Scott J. Pilla, MD, MHS
12:25 p.m. - 12:30 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG04-1

Discussion on Health Care Delivery and Quality Improvement—AI and Machine Learning in Diabetes Management

Room: W183 BC

Chair(s): Daniel J. Rubin, MD, MSc, FACE

11:30 a.m. - 11:40 a.m.	**Introduction**
11:40 a.m. - 12:00 p.m.	**Personalized Treatment Plans for Diabetes Using AI/Machine Learning** Peter Jacobs, PhD
12:00 p.m. - 12:20 p.m.	**Integrating AI in the Delivery of Diabetes Care** Rayhan Lal, MD
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Obesity/Integrated Physiology

Session Number: ePoster01

Updates in Obesity-Associated Diabetes and Cancer Risk

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Erin E. Mulvihill, PhD

11:30 a.m. - 11:40 a.m.	**1722-P Total and Site-Specific Cancer Risks in Young Obese Adults—Six Million Large-Scale Data from Korean Population** Presenting Author: Seung Yeon Kim, MD
11:40 a.m. - 11:50 a.m.	**1723-P Weight Reduction Mediated by Antiobesity Medications and the Risk of Obesity-Associated Cancer—A Meta-analysis of Randomized Controlled Trials** Presenting Author: Chu Lin, MD
11:50 a.m. - 12:00 p.m.	**1724-P Association between Relative Cord Hyperleptinemia and Body Mass Index in Offspring Born to Overweight and Obese Mothers** Presenting Author: Jincy Immanuel, PhD
12:00 p.m. - 12:10 p.m.	**1725-P Development and Validation of Machine-Learning Models for Predicting Low Muscle Mass in Patients with Obesity and Diabetes** Presenting Author: Jiaying Ge, MD
12:10 p.m. - 12:20 p.m.	**1726-P Comparison of Subcutaneous, Visceral, Liver, and Muscle Fat Depots in Relation to Diabetes Risk—A Prospective Cohort Study** Presenting Author: Danyang Wang, PhD student
12:20 p.m. - 12:30 p.m.	**1727-P Reduced Aromatic Amino Acid Suppression during Acute Hyperglycemia in Young Adults with Obesity** Presenting Author: Brooke C. Matson, MD, PhD

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Islet Biology/Insulin Secretion

Session Number: ePoster02

Inter and Intracellular Factors Modulating Insulin and Glucagon Secretion

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): Katie C. Coate, PhD

11:30 a.m. - 11:40 a.m.	**1838-P A Genetically Encoded Reporter for Targeted Glucagon Secretion Studies in Alpha Cells** Presenting Author: Alessandro Ustione, PhD
11:40 a.m. - 11:50 a.m.	**1840-P Pyruvate Kinase Bioenergetically Restricts OXPHOS in Beta Cells and Myotubules by Inducing Mitochondrial Membrane Hyperpolarization** Presenting Author: Emily A. Davidson, PhD
11:50 a.m. - 12:00 p.m.	**1841-P Dynorphin Deletion in β-Cells Enhances β-Cell Identity, Insulin Content, and Insulin Secretion** Presenting Author: Miranda Movahed, PhD
12:00 p.m. - 12:10 p.m.	**1842-P GLP-1 Receptor Agonists Induce Lasting Cyclic-AMP Generation and Insulin Secretion in Beta Cells** Presenting Author: Michelle Chan, BS
12:10 p.m. - 12:20 p.m.	**1843-P Regulator of G Protein Signaling 9 (RGS9) Is a Positive Regulator of Insulin Secretion in Mouse Islets** Presenting Author: Vincent Poitout, DVM, PhD
12:20 p.m. - 12:30 p.m.	**1839-P Intracellular Lipid Droplets Regulate Glucagon Secretion by Primary Human Alpha Cells** Presenting Author: Katie C. Coate, PhD

SATURDAY, JUNE 21, 2025

11:30 a.m. - 12:30 p.m.

Professional Development

Theme Area: Professional Development

Session Number: PD-01-1

Professional Development 1

Room: W180

11:30 a.m. - 12:30 p.m.	**Professional Development 1**

SATURDAY, JUNE 21, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: ePoster03

Advancing Diabetes Care—Enhancing CGM Utilization, Education, and Support across Settings

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Jenny DeJesus, DNP, ANP, BC-ADM

12:30 p.m. - 12:40 p.m.	**518-P Enhancing CGM Utilization in Primary Care—Outcomes of a Comprehensive Education and Training Program in an Academic Institution** Presenting Author: Ina C. Flores Shih, RD, CDCES, MS
12:40 p.m. - 12:50 p.m.	**519-P Impact of Dose Adjustment for Normal Eating Courses on Glycemic Control, Severe Hypoglycemia, and Diabetic Ketoacidosis in People with Type 1 Diabetes** Presenting Author: Mohammad Irshad, PhD
12:50 p.m. - 1:00 p.m.	**520-P School Day Disruptions in Type 1 Diabetes (T1D) Management—Early Experiences from the School-Partnered Collaborative Care (SPACE) Study Highlight an Unmet T1D Education Need** Presenting Author: Christine March, MD, MS
1:00 p.m. - 1:10 p.m.	**521-P Greater Participation in Diabetes Management Coaching Program Improves Glycemic Control and Diabetes Distress** Presenting Author: Andrea D. Coviello, MD
1:10 p.m. - 1:20 p.m.	**522-P Utilization of Personal Continuous Glucose Monitoring (CGM) Systems in the Inpatient Setting** Presenting Author: Rebecca Longo, DNP, ACNP-BC, CDCES
1:20 p.m. - 1:30 p.m.	**523-P Seeking Methods to Engage Emerging Adults (EAs) with Type 1 Diabetes (T1D) in Diabetes Self-Management Education and Support (DSMES)—A Human-Centered Design Approach** Presenting Author: Jodi S. Krall, PhD

SATURDAY, JUNE 21, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster04

Innovative Observations on Pregnancy Metabolic Health

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): Jami L. Josefson, MD, MS

12:30 p.m. - 12:40 p.m.	**1233-P Metabolic Consequences of GCK Mutations—Does the Source of Inheritance—Mother or Father—Matter?** Presenting Author: Yang Liu, PhD
12:40 p.m. - 12:50 p.m.	**1234-P Glucagon-Like Peptide 1 Receptor Agonists Use prior to Pregnancy Is Not Associated with Abnormal Birthweight** Presenting Author: Jacqueline Maya, MD
12:50 p.m. - 1:00 p.m.	**1235-P Weight Management in Pregnant Women with Pregestational Diabetes Mellitus** Presenting Author: Xinyu Shu, MD
1:00 p.m. - 1:10 p.m.	**1236-P Association of CGM Wear Time with Maternal HbA1c and Fetal Growth in T1D Pregnancies** Presenting Author: Sarit Polsky, MD, MPH
1:10 p.m. - 1:20 p.m.	**1237-P The Relationship between Dietary Intake and Glucose Levels in a Pilot Randomized Clinical Trial of Intensive Glycemic Targets in Gestational Diabetes** Presenting Author: Evelyn C. Stepaniak, BS
1:20 p.m. - 1:30 p.m.	**1238-P α-MSH as a Predictor of Maternal Metabolic Health and Fetal Heart Function** Presenting Author: Julia Sbierski-Kind, MD

Responsible Committee Member(s): Camille Powe

SATURDAY, JUNE 21, 2025

12:30 p.m. - 1:30 p.m.

General Poster Session

Session Number: GSP-01

Saturday General Poster Session

Room: Poster Hall (Hall F1)

12:30 p.m. - 1:30 p.m. **363-P Disproportionate Hypoglycemia Fear and Time-Below-Range in Individuals with Type 1 and Type 2 Diabetes**
Presenting Author: Jonah J.C. Thomas, PhD

12:30 p.m. - 1:30 p.m. **364-P Hypoglycemic Counterregulation Is Impaired following Exposure to 72 Hours of Fasting in Male and Female Rats**
Presenting Author: Layla DePrimo, BS (In Progress)

12:30 p.m. - 1:30 p.m. **365-P Comparative Analysis of Hypoglycemia at Admission and during Hospitalization —Insights from the DEKODE Surveillance Registry**
Presenting Author: Kalyaani Persad, MBChB (in progress)

12:30 p.m. - 1:30 p.m. **366-P Machine Learning Reveals CGM Superiority over Hypoglycemia Awareness Questionnaires in Discriminating Individuals with Severe Hypoglycemia**
Presenting Author: Xiaohua D. Zhang, PhD

12:30 p.m. - 1:30 p.m. **367-P Cross Talk between Gs and Gq Signaling Is Essential for Proper α-Cell Function**
Presenting Author: Liu Liu, PhD

12:30 p.m. - 1:30 p.m. **368-P Perceived AID Algorithm Performance and Hypoglycemia Prevalence in PWD**
Presenting Author: Alan Beltran, BA

12:30 p.m. - 1:30 p.m. **369-P Exposure to Recurrent Hypoglycemia Does Not Alter Brain Glucose Transport Kinetics in Type 1 Diabetes (T1D)**
Presenting Author: Elizabeth R. Seaquist, MD

12:30 p.m. - 1:30 p.m. **370-P Interoception Mitigates the Impact of Hypoglycemia Exposure on Symptom Recognition in Adults with Type 1 Diabetes**
Presenting Author: Austin M. Matus, PhD, RN

12:30 p.m. - 1:30 p.m. **371-P Sex, Age, and Diabetes Type—Dissecting Patterns of Real-World Level 3 Hypoglycemia (iNPHORM, USA)**
Presenting Author: Alexandria Ratzki-Leewing, PhD MSc

12:30 p.m. - 1:30 p.m. **372-P Risk of Hypoglycemia Associated with Nondiabetes Medications in Older Adults on Sulfonylureas**
Presenting Author: Sungho Bea, PharmD, PhD

12:30 p.m. - 1:30 p.m. **373-P Effect of Automated Insulin Delivery Systems Initiation on Reduction of Hypoglycemia in People with Type 1 Diabetes—Retrospective Single-Centre Study**
Presenting Author: Peter Novodvorsky, PhD, MRCP

12:30 p.m. - 1:30 p.m. **472-P Development and Validation of STZ-Induced Diabetic Retinopathy Models for Therapeutic Evaluation**
Presenting Author: Ying Li, MD, PhD

12:30 p.m. - 1:30 p.m. **473-P Predicting Diabetic Retinopathy Using Saudi Insurance Claims Data—Development and Validation of a Real-Time Risk Stratification System**
Presenting Author: Ghadeer Ghosheh, BEng

12:30 p.m. - 1:30 p.m. **474-P Progression of Diabetic Retinopathy in Wales during the COVID-19 Pandemic**
Presenting Author: Rebecca L. Thomas, PhD

12:30 p.m. - 1:30 p.m. **475-P Screening for Diabetes-Related Retinopathy in Bermuda—An Observational Study with the Bermuda Diabetes Association**
Presenting Author: Rebecca L. Thomas, PhD

12:30 p.m. - 1:30 p.m. **476-P Serum EG-VEGF Levels in Patients with Diabetes with and without Retinopathy**
Presenting Author: Julien Stroumza, BS

12:30 p.m. - 1:30 p.m. **477-P Semaglutide Is Associated with Lower Risk of Diabetic Retinopathy in a Saudi Cohort with Type 2 Diabetes**
Presenting Author: Imad Brema, MD FRCP FACE

12:30 p.m. - 1:30 p.m. **478-P Application of Plasma Proteomics to Explore Potential Biomarkers of Diabetic Macular Edema**
Presenting Author: Xiao-Rong Zhu, MD, PhD

12:30 p.m. - 1:30 p.m. **479-P Isoleucine-Tryptophan Dipeptide Mitigates Gut Dysbiosis and Diabetic Retinopathy in T2D Mice**
Presenting Author: Maria B. Grant, MD

12:30 p.m. - 1:30 p.m. **480-P Endothelia-Targeting Eye Drops Delivery of a STING Inhibitor Reduce Retinal Neovascularization in Ischemic Retinopathy**
Presenting Author: Siying Wen, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **481-P Chronic Kidney Disease Amplifies Dementia Risk in Patients with Diabetic Retinopathy—A Korean National Health Information Data-Based Study**
Presenting Author: Na Hyun Song, MD

12:30 p.m. - 1:30 p.m. **601-P Diabetes Self-Efficacy—Longitudinal Relationships with Diabetes Overall Self-Management, Medication Adherence, Diabetes Distress, and Glycemic Control in Adults with Type 2 Diabetes**
Presenting Author: Jeffrey S. Gonzalez, PhD

12:30 p.m. - 1:30 p.m. **602-P Extent and Impact of Provider Engagement with EHR-Based Diabetes Distress (DD) Screening**
Presenting Author: Angela Fruik, MPH, RD, LDN

12:30 p.m. - 1:30 p.m. **603-P Diabetes Distress Is Associated with Poor Glycemic Control after Islet Autotransplantation**
Presenting Author: Adeola A. Ishola, MD

12:30 p.m. - 1:30 p.m. **604-P Parent Sleep Quality and Diabetes Distress in Families of Youth with Type 1 Diabetes (T1D)**
Presenting Author: Alexandra Monzon, PhD

12:30 p.m. - 1:30 p.m. **605-P Diabetes Distress Is Associated with Higher Risk of Hypoglycemia in Older Adults with Type 1 Diabetes in the AIDE Trial**
Presenting Author: Shafaq Raza Rizvi, MBBS

12:30 p.m. - 1:30 p.m. **606-P Addressing Diabetes Distress in Clinical Practice—Provider Feedback and Resource Gaps following Screening Implementation**
Presenting Author: Jennifer J. Iyengar, MD

12:30 p.m. - 1:30 p.m. **607-P The Effect of a Cognitive Behavioral Therapy Intervention on Quality of Life in Young Adults with Type 1 Diabetes—A Secondary Analysis**
Presenting Author: Eric Peprah Osei, BSN

12:30 p.m. - 1:30 p.m. **608-P The Association of Perceived Discrimination with Diabetes Management in Youth and Young Adults with Youth-Onset Diabetes**
Presenting Author: Emmanuel F. Julceus, MD, MPH

12:30 p.m. - 1:30 p.m. **609-P Does Patient Activation Correlate with Lifestyle Change Program Study Completion in Patients with a History of Gestational Diabetes Mellitus?**
Presenting Author: Noha El Yaman, MD

12:30 p.m. - 1:30 p.m. **610-P Prevalence of Loneliness and Lack of Social and Emotional Support among U.S. Adults with Diabetes, 2023**
Presenting Author: Yiling J. Cheng, MD, PhD

12:30 p.m. - 1:30 p.m. **611-P Prevalence of Substance Use, Substance Use Disorders, and Substance Use Treatment among U.S. Adults with Diagnosed Diabetes, 2021–2022**
Presenting Author: Yiling J. Cheng, PhD

12:30 p.m. - 1:30 p.m. **612-P Strategies to Increase Inclusion in Pediatric Type 1 Diabetes Psychosocial Intervention Studies**
Presenting Author: Julia Price, PhD

12:30 p.m. - 1:30 p.m. **613-P Development of Implementation Strategies for a Pediatric Type 1 Diabetes Behavioral Intervention**
Presenting Author: Julia Price, PhD

12:30 p.m. - 1:30 p.m. **614-P Hyperglycemia and Glucose Fluctuations Predict Worse Sleep Quality Which Then Predicts Elevated Depressive Symptoms and Diabetes Distress in People with Type 1 and Type 2 Diabetes**
Presenting Author: Dominic Ehrmann, PhD

12:30 p.m. - 1:30 p.m. **615-P Bias in Medical Students' Perceived Understanding of Type 1 and Type 2 Diabetes —A Cross-Sectional Survey Study**
Presenting Author: Elizabeth A. Beverly, PhD

12:30 p.m. - 1:30 p.m. **616-P Navigating a New Reality—Exploring Unmet Psychosocial Needs in Adults Newly Diagnosed with Type 2 Diabetes**
Presenting Author: Elizabeth A. Beverly, PhD

12:30 p.m. - 1:30 p.m. **617-P College Education May Influence Preference for Normal Weight Silhouettes in African Immigrant and African American Women**
Presenting Author: Anne E. Sumner, MD

12:30 p.m. - 1:30 p.m. **618-P Obtrusiveness of Diabetes—How Many Minutes Are People with Diabetes Thinking about Diabetes**
Presenting Author: Norbert Hermanns, PhD

12:30 p.m. - 1:30 p.m. **619-P Implementation of Depression Screening in Newly Diagnosed Pediatric Type 1 Diabetes Patients**
Presenting Author: Sarah L. Holly, BS

12:30 p.m. - 1:30 p.m. **620-P The Moderating Role of Diabetes Resilience in the Relation between Diabetes Distress and HbA1c in School-Sge Children**
Presenting Author: Susana R. Patton, PhD, ABPP, CDCES

12:30 p.m. - 1:30 p.m. **621-P Longitudinal Phenotypes of Parent-Reported Diabetes Distress in School-Age Families**
Presenting Author: Susana R. Patton, PhD, ABPP, CDCES

12:30 p.m. - 1:30 p.m. **622-P Role of Mindfulness in the Quality of Life and Promotion of Well-Being in Type 1 Diabetic Patients**
Presenting Author: Eugenia Resmini, MD, PhD

12:30 p.m. - 1:30 p.m. **623-P Use of Social Media to Support Gestational Diabetes Risk Reduction for American Indian and Alaska Native Females—Perspectives from Native Youth, Mothers, and Content Experts**
Presenting Author: Sarah A. Stotz, PhD, MS, RDN, CDCES

12:30 p.m. - 1:30 p.m. **624-P Bridging Psychiatric Interventions and Glycemic Control in Children with Type 2 Diabetes Mellitus Based on Machine Learning**
Presenting Author: Jisun Park, Master's Degree

12:30 p.m. - 1:30 p.m. **625-P Evaluating the Spectrum of Emotional Distress in Diabetes—A Study on Its Impact on A1C**
Presenting Author: Annie M. Raymond, MSc Food Science and Nutrition

12:30 p.m. - 1:30 p.m. **626-P Diab@ease: A Pilot Study on Holistic Mental Health Integration for Diabetes, Cognitive Function, and Physical Frailty**
Presenting Author: Chandni Radhakrishnan, MD PhD Postgraduate Diploma in Medical Law &Ethics

12:30 p.m. - 1:30 p.m. **627-P Learnings from Equitably Developing and Administering a Survey for the National Center for Engagement in Diabetes Equity Research (CEDER)**
Presenting Author: Sandra Albrecht, PhD

12:30 p.m. - 1:30 p.m. **628-P Assessing Needs and Expertise for the National Center for Engagement in Diabetes Equity Research (CEDER)**
Presenting Author: Karina D. Ramirez, MPH

12:30 p.m. - 1:30 p.m. **629-P National CEDER Lessons Learned from Piloting T2D Community Engagement and Research Support Services**
Presenting Author: Aditi Luitel, MSPH

12:30 p.m. - 1:30 p.m. **630-P Strategies for Building Equitable Partnerships to Advance Diabetes Equity Research—Reflections from Community and Academic Leaders across the United States**
Presenting Author: Nadia Islam, PhD

12:30 p.m. - 1:30 p.m. **631-P Increasing Sleep Duration among Short-Sleeping Type 2 Diabetes Patients via mHealth—A Pilot Randomized Controlled Trial**
Presenting Author: Ryohei Nakada, .

12:30 p.m. - 1:30 p.m. **632-P Engaging Hispanic Men in the National Diabetes Prevention Program (NDPP)—A Comparative Qualitative Study Examining Influences on Low Engagement**
Presenting Author: Taynara Formagini, PhD, MSc

12:30 p.m. - 1:30 p.m. **633-P Factors Associated with Diabetes Distress in a Spanish-Speaking Hispanic/Latino Population Living with Type 2 Diabetes**

Presenting Author: Oluwatomi Asemota, MBBS, MPH

12:30 p.m. - 1:30 p.m. **635-P Differential Associations of Diabetes Distress with Diabetes-Dependent QoL in Young Adults with Type 1 Diabetes—The Buffering Role of Social Media**
Presenting Author: Yujia Mo, MS

12:30 p.m. - 1:30 p.m. **636-P Diabetes and Driving—Current Legal Issues in Switzerland**
Presenting Author: Cristian Palmiere, MD

12:30 p.m. - 1:30 p.m. **637-P Sleep Screening in Adolescents with Type 1 Diabetes (T1D) Using the PROMIS Four-Item Sleep Surveys**
Presenting Author: Erin C. Cobry, MD

12:30 p.m. - 1:30 p.m. **638-P An Analysis of Early Engagement in a Smart-Technology–Based Weight Loss Intervention and Predictive Capability of Weight Loss**
Presenting Author: Bridget Sheridan, BS

12:30 p.m. - 1:30 p.m. **639-P Assessing the Role of Diabetes-Specific Social Connection in Adolescents and Young Adults with Type 1 Diabetes**
Presenting Author: Hannah Carey, MD, MPH

12:30 p.m. - 1:30 p.m. **640-P Exploring Self-Management Practices and Education Needs among Low-Income Adults with Type 2 Diabetes Using the Information, Motivation, and Behavioral Skills Model**
Presenting Author: Eyitayo O. Owolabi, PhD, RN

12:30 p.m. - 1:30 p.m. **641-P "Feeling secure is important to me, but I just don't… most of the time"—Patient Definitions of Success in Diabetes Management**
Presenting Author: Christopher A.N.A. Okine, BA

12:30 p.m. - 1:30 p.m. **642-P Correlates of Device Use as Young Adults (YA) with Type 1 Diabetes (T1D) Leave Pediatric Care**
Presenting Author: Sahar S. Eshtehardi, PhD

12:30 p.m. - 1:30 p.m. **643-P Healthy Eating among Postpartum Women with Gestational Diabetes—A Preliminary Analysis of Barriers and Facilitators Using Patient Journey Maps**
Presenting Author: Sandra Albrecht, PhD, MPH

12:30 p.m. - 1:30 p.m. **644-P Eating Disorders among Adults with Diabetes**
Presenting Author: Samantha R. Spierling Bagsic, PhD

12:30 p.m. - 1:30 p.m. **645-P Perspectives on Two Low-Carbohydrate and Lifestyle Programs for Adults with Prediabetes**
Presenting Author: Melissa DeJonckheere, PhD

12:30 p.m. - 1:30 p.m. **646-P Maternal Quality of Life during the Transition to Adulthood—A Mixed Methods Approach**
Presenting Author: Michelle Ness, PhD, MSN, RN

12:30 p.m. - 1:30 p.m. **647-P Diabetes Management among Young Adults during Hurricane Helene in South Carolina—Experiences and Coping Strategies**
Presenting Author: Sarmin Sultana, MBBS, MPH

12:30 p.m. - 1:30 p.m. **648-P Qualitative Evaluation of an Evidence-Based Diabetes Prevention Program for Adolescents and Young Adults Using the RE-AIM Framework**

Presenting Author: Ashley Michel, BS

12:30 p.m. - 1:30 p.m. **649-P Sex Differences in Predictors of Food Craving, Eating Behavior, and Weight Changes Assessed Longitudinally over a 24-Month Period**
Presenting Author: Emalee Dauginikas, MSc

12:30 p.m. - 1:30 p.m. **650-P Longitudinal Associations of Peer Support with Self-Efficacy, Depression, and Diabetes Management in Early Emerging Adults with Type 1 Diabetes**
Presenting Author: Emily Ellis, BS

12:30 p.m. - 1:30 p.m. **651-P Enhancing Diabetes Self-Management—Feasibility and Impact of a Culturally Tailored Program for Black Adults Using an Embedded Mixed Methods Pilot Implementation Trial**
Presenting Author: Olayinka Shiyanbola, PhD BPharm

12:30 p.m. - 1:30 p.m. **652-P Effectiveness of a Digital Lifestyle Intervention for Glycemic Control in People with Type 2 Diabetes**
Presenting Author: Jayashree Gopal, .

12:30 p.m. - 1:30 p.m. **653-P Psychosocial Factors and Technology Perceptions Are Associated with Glycemic Outcomes in Fully Closed Loop Systems (FCL)**
Presenting Author: Annanda Fernandes Moura B Batista, PhD

12:30 p.m. - 1:30 p.m. **654-P How Is Diabetes Distress Associated with Glycemic Metrics in Older Adults with Type 1 Diabetes?**
Presenting Author: Connor Johnson, MD

12:30 p.m. - 1:30 p.m. **655-P Characteristics of Emerging Adults with Type 1 Diabetes Who No-Show or Cancel Clinic Visits**
Presenting Author: Isabella Patterson, BS

12:30 p.m. - 1:30 p.m. **656-P Psychological Assessment at Type 1 Diabetes Diagnosis—Assessing Anxiety Related to Diagnosis and History of Anxiety, Depression, and ADHD**
Presenting Author: Katherine Semenkovich, PhD

12:30 p.m. - 1:30 p.m. **657-P "If I'm not hard on myself, I'm not gonna do a good job"—Self-Criticism vs. Self-Compassion in Type 1 Diabetes (T1D)**
Presenting Author: Mabelle B. Pasmooij, BS

12:30 p.m. - 1:30 p.m. **658-P Acceptability of an Intervention to Reduce the Use of Diabetes-Stigmatizing Language in the Primary Care Environment**
Presenting Author: Alexandra Agapiou, DNP

12:30 p.m. - 1:30 p.m. **659-P Barriers and Facilitators to Attending Postpartum Diabetes Screening among Women with Gestational Diabetes (GDM) in China—Qualitative Insights from Women with GDM and Health Care Professionals**
Presenting Author: Jing Huang, MSc

12:30 p.m. - 1:30 p.m. **660-P Understanding the Association between Health-Related Social Needs and Digital Health Use among People with Type 2 Diabetes**
Presenting Author: Daniel J. Amante, PhD, MPH

12:30 p.m. - 1:30 p.m. **661-P Comparative Analysis of Physical Activity and Dietary Behavior between Prediabetes and Normoglycemic Population**
Presenting Author: Jiarui Lin, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **662-P Diabetes Distress, Management, and Psychosocial Needs among Black Young Adults with Type 1 Diabetes from Two Health Care Systems—An Integrated Care System and Public Safety-Net Hospital?**
Presenting Author: Priyanthanma Vellanki, MD, MS

12:30 p.m. - 1:30 p.m. **663-P Associations between Relationship Status and Parenting on Glycemic and Emotional Outcomes in Adults with Type 1 Diabetes (T1D) Enrolled in the GluCog Study**
Presenting Author: Miranda S. Zuniga-Kennedy, MS

12:30 p.m. - 1:30 p.m. **664-P Identifying Diabetes Distress across Adult Age Groups—Insights from the ReDUCe Study**
Presenting Author: Rachel Rayden, BS

12:30 p.m. - 1:30 p.m. **665-P Association between Housing Insecurity and Hemoglobin A1c among Adults with Type 2 Diabetes—A Cross-Sectional Analysis of the All of Us Research Program**
Presenting Author: Emefa A. Adawudu, BSN, MSN

12:30 p.m. - 1:30 p.m. **666-P Diabetes Distress after Participation in Blue Circle Health—An Innovative Diabetes Care Delivery Program**
Presenting Author: Monica A. Gomberg, MD

12:30 p.m. - 1:30 p.m. **667-P A Guided Self-Determination Intervention vs. an Attention Control Group of People with Type 2 Diabetes in an Outpatient Clinic Setting—A Randomised Clinical Trial**
Presenting Author: Anne S. Mathiesen, PhD

12:30 p.m. - 1:30 p.m. **668-P Clustering Technological Attitudes and Experiences of Adolescents and Adults with Type 1 Diabetes, Family Members, and Health Care Providers**
Presenting Author: Maaike Horsselenberg, MSc

12:30 p.m. - 1:30 p.m. **669-P Sleep Companions Improve Sleep Quality and Depression in Older Adults with Type 1 Diabetes**
Presenting Author: Elizabeth R. Viebranz, BA

12:30 p.m. - 1:30 p.m. **670-P Associations between Social Needs and Diabetes-Related Health Outcomes among Latino Farmworkers**
Presenting Author: Benjamin Aceves, PhD, MPH, MA

12:30 p.m. - 1:30 p.m. **671-P Examination of Transition Readiness (TR) and HbA1c in the Year after Discharge from Pediatric Type 1 Diabetes (T1D) Care**
Presenting Author: Jessica S. Pierce, PhD

12:30 p.m. - 1:30 p.m. **672-P Association of Different Antidiabetic Medications with Depression Scores in Veterans**
Presenting Author: Sabyasachi Sen, MD, PhD

12:30 p.m. - 1:30 p.m. **673-P Is Loneliness a Mediator of the Relationship between Discrimination and Dementia in Older Adults with Diabetes in High- and Middle-Income Countries?**
Presenting Author: Aprill Z. Dawson, PhD, MPH

12:30 p.m. - 1:30 p.m. **674-P Alcohol, Vaping, and Marijuana Use among Young Adults with Type 1 Diabetes**
Presenting Author: Rachel M. Wasserman, PhD

12:30 p.m. - 1:30 p.m. **675-P Impact of Smoking Status on Suicide Risk in Patients with Type 2 Diabetes—A Nationwide Population-Based Cohort Study**

Presenting Author: Hyuk-Sang Kwon, MD, PhD

12:30 p.m. - 1:30 p.m. **676-P Stability and Impact of Diabetes Distress among Adults with Type 1 Diabetes over Time**
Presenting Author: Danielle M. Hessler, PhD

12:30 p.m. - 1:30 p.m. **677-P Health-Related Quality of Life (HRQOL) in Youth with Type 1 Diabetes (T1D)—Comparisons with Other Chronic Health Conditions**
Presenting Author: Rosa Delgado-Kiggins, BS

12:30 p.m. - 1:30 p.m. **679-P Behavioral Health Care Utilization amongst Patients with Insulin-Requiring Diabetes Receiving Care at Federally Qualified Health Centers**
Presenting Author: Sarah Westen, PhD

12:30 p.m. - 1:30 p.m. **680-P Evolution from the Diabetes Prevention Program Research Trial to the National Diabetes Prevention Program—Lessons in Type 2 Diabetes Prevention**
Presenting Author: Elizabeth Ely, MS

12:30 p.m. - 1:30 p.m. **681-P Medication Adherence in the Glycemia Reduction Approaches in Diabetes—A Comparative Effectiveness (GRADE) Study**
Presenting Author: Jeffrey S. Gonzalez, PhD

12:30 p.m. - 1:30 p.m. **682-P Parental Influences on Diabetes Distress—Distinct Causal Pathways**
Presenting Author: Jessie J. Wong, PhD

12:30 p.m. - 1:30 p.m. **683-P Sociodemographic and Behavioral Factors Associated with Diet Quality in Low-income Adults with Prediabetes and Type 2 Diabetes**
Presenting Author: Kristine D. Gu, MD, MPH

12:30 p.m. - 1:30 p.m. **684-P Community-Based Peer Support for Diabetes Management in Shanghai, China—Breadth of Benefits and Processes of Change**
Presenting Author: Edwin B. Fisher, PhD

12:30 p.m. - 1:30 p.m. **685-P Acceptability of Diabetes-Stigmatizing Language Reduction Intervention for Health Care Providers**
Presenting Author: Kevin Joiner, PhD, APRN, ANP-BC, CDCES

12:30 p.m. - 1:30 p.m. **686-P A Case-Control Study of Mental Health Status of Diabetic Patients**
Presenting Author: Rubela Ray, MBBS, ECFMG Certified MD

12:30 p.m. - 1:30 p.m. **687-P A CGM Behavioral Intervention—Characteristics Associated with Glycemic Response among Racially Minoritized Youth with T1D**
Presenting Author: Emma Straton, BA

12:30 p.m. - 1:30 p.m. **688-P Personality as a Predictor of Self-Management, Diabetes Distress, and Glycemic Control in Adults with Type 1 Diabetes (T1D)**
Presenting Author: Lindsey D. Pappalardo, MA

12:30 p.m. - 1:30 p.m. **689-P What Predicts Intention to Increase Dietary Fiber Intake among Patients with Type 2 Diabetes? A Survey Based on the Theory of Planned Behavior (TPB)**
Presenting Author: Wei Thing Sze, MSc, Bpharm

12:30 p.m. - 1:30 p.m. **690-P Participant Characteristics and Engagement in a Young Adult Diabetes Transition Clinic**
Presenting Author: Rima Pandit, BS

12:30 p.m. - 1:30 p.m. **691-P Quality of Life and Diabetes Distress among Children and Youth with Type 1 Diabetes and Their Parents in Kampala, Uganda—Cross-Sectional Survey**
Presenting Author: Brandon M. Nathan, MD

12:30 p.m. - 1:30 p.m. **693-P Acceptability of Vasoterapia Diabetes—A Novel Tool to Support Mental Health and Peer Connection among Health Care Providers in Diabetes Care**
Presenting Author: Daniela Rojas, Psychologist

12:30 p.m. - 1:30 p.m. **694-P Which Young Adults (YA) with Type 1 Diabetes (T1D) Return to Pediatrics during the Transition to Adult Care?**
Presenting Author: Samantha A. Carreon, PhD

12:30 p.m. - 1:30 p.m. **695-P Exploring Cultural and Immigration-Related Factors Associated with Type 2 Diabetes among Hispanic/Latino Adults**
Presenting Author: Qinglan Ding, MBBS, PhD

12:30 p.m. - 1:30 p.m. **696-P Teaming Up for T1D through Telehealth (Triple T)—Initial Findings from an Intervention to Support Families following T1D Diagnosis**
Presenting Author: Marissa Feldman, PhD

12:30 p.m. - 1:30 p.m. **698-P Association of Context Type and Context Stability to Insulin Habit Automaticity and Adherence in Type 1 Diabetes**
Presenting Author: Jenine Y. Stone, PhD, MSN, FNP-C

12:30 p.m. - 1:30 p.m. **699-P Associations between Parental T2D and Use of Positive and Negative Food-Parenting Practices with Adolescents**
Presenting Author: Amanda Ziegler, PhD, MPH, BSN, BS

12:30 p.m. - 1:30 p.m. **700-P Quality of Life in Youth and Young Adults (YYA) with Type 1 Diabetes (T1D) That Experience Device-Related Skin Reactions**
Presenting Author: Cari Berget, MPH, RN, CDCES

12:30 p.m. - 1:30 p.m. **701-P Levels of Diabetes Distress (DD) among Older Adults (OA) with Type 1 Diabetes (T1D)**
Presenting Author: Adriana Wisniewski, BS

12:30 p.m. - 1:30 p.m. **702-P Culturally Tailored Educational Materials for Latino Adults Aimed at Increasing Awareness of Prediabetes and Fostering Enrollment in the National Diabetes Prevention Program**
Presenting Author: Jimmy A. Reyes, PhD, DNP

12:30 p.m. - 1:30 p.m. **703-P Addressing Health Disparities—Findings from Community Health Screenings for Diabetes and Hypertension in Underserved Populations**
Presenting Author: Jimmy A. Reyes, PhD, DNP

12:30 p.m. - 1:30 p.m. **704-P The Impact of an AI-Driven Digital Diabetes Program on Glycemic Control through Holistic Lifestyle Modification**
Presenting Author: Mohammad Mehdi Farshchi Nasr, BSc

12:30 p.m. - 1:30 p.m. **705-P Enhanced Detection of Efficacy in T1D Prevention Trials Using Glucose Fractions**
Presenting Author: Brandon M. Nathan, MD

12:30 p.m. - 1:30 p.m. **706-P DIRAS2—A Novel Regulator of Glucose Metabolism and Pancreatic Islet Survival**
Presenting Author: Nida Ajmal, MS

12:30 p.m. - 1:30 p.m. **707-P Obesity-Associated Inflammatory Responses Are Significantly Modified by Insulin Sensitivity**
Presenting Author: Aida Javidan, PhD

12:30 p.m. - 1:30 p.m. **708-P Comparative Effectiveness of Structured Interventions in the Korean Diabetes Prevention Study (KDPS) vs. the Korean Genome and Epidemiology Study (KOGES)**
Presenting Author: Soo Jin Yun, MD

12:30 p.m. - 1:30 p.m. **709-P Weight Loss among Distance Learning Participants in an Employer-Based Diabetes Prevention Program**
Presenting Author: Rosette Chakkalakal, MD, MHS

12:30 p.m. - 1:30 p.m. **710-P Comparing Models for Predicting Diabetes Progression and Cardiovascular Disease in Risk Stratification and Drug Selection for Prediabetes**
Presenting Author: Song Wang, Doctor

12:30 p.m. - 1:30 p.m. **711-P Assessing Caregivers' Knowledge and Opinions on T1D Antibody Screening and Teplizumab Infusions**
Presenting Author: Rachel L. Longendyke, MD

12:30 p.m. - 1:30 p.m. **712-P Understanding Participant Decision Making for Enrolling in an Intervention Trial to Delay Stage 3 T1D**
Presenting Author: Holly K. O'Donnell, PhD

12:30 p.m. - 1:30 p.m. **713-P Relationship between Magnitude of Weight Loss and Cardiovascular Outcomes in the Diabetes Prevention Program (DPP) and Its Outcomes Study (DPPOS)**
Presenting Author: Vanita R. Aroda, MD

12:30 p.m. - 1:30 p.m. **714-P Oral Glucose Tolerance Test or Continuous Glucose Monitoring for Assessment of Prediabetes State**
Presenting Author: Tzvetelina Totomirova, MD

12:30 p.m. - 1:30 p.m. **715-P A Novel Approach for Assessing Treatment Failure vs. Success at Fixed Time Intervals in T1D Prevention Trials**
Presenting Author: Emily K. Sims, MD, MS

12:30 p.m. - 1:30 p.m. **716-P Partnering with Supermarkets to Stop Diabetes for the Underserved—A Prospective Pilot Study**
Presenting Author: Joyce Y. Lee, PharmD, APh, FCCP, BCPS, BCACP, CDCES

12:30 p.m. - 1:30 p.m. **717-P Small Molecule Allosteric Activators of SERCA Improve β-Cell Viability and Calcium Homeostasis**
Presenting Author: David J. Sanchez Rodriguez, BS

12:30 p.m. - 1:30 p.m. **718-P DNA Methylation Biomarkers Associated with Weight Loss Response for Individuals with Prediabetes Based on Korean Diabetes Prevention Study (KDPS)**
Presenting Author: Seungmin Song, PhD Candidate

12:30 p.m. - 1:30 p.m. **719-P Oral Disposition Index (oDI) as an Outcome Measure in Type 1 Diabetes (T1D) Clinical Trials—Evidence from Stage 1 and Stage 2 Trials**
Presenting Author: Alfonso Galderisi, MD, PhD

12:30 p.m. - 1:30 p.m. **720-P Assessing Fairness of QPrediction Models Using UK Biobank Data**
Presenting Author: Inchuen Huynh, MSc

12:30 p.m. - 1:30 p.m. **721-P Oral Nanotherapeutics for Precision Targeting of Antigen-Presenting Cells for Prevention of Type 1 Diabetes—Preclinical Studies**
Presenting Author: Nicholas Hunt, BSc, PhD

12:30 p.m. - 1:30 p.m. **722-P Diabetes Remission Programs May Not Be an Effective Use of Fixed Health Care Resources**
Presenting Author: Joanna Y. Gong, MBBS(Hons), BMedSc(Hons), FRACP

12:30 p.m. - 1:30 p.m. **723-P Achieving Prediabetes Remission during Lifestyle Intervention Is More Effective Than Weight Loss for Type 2 Diabetes Prevention**
Presenting Author: Arvid Sandforth, MD

12:30 p.m. - 1:30 p.m. **724-P High One-Hour Post-load Plasma Glucose Is an Intermediate Condition between NGR and IGR**
Presenting Author: Arvid Sandforth, .

12:30 p.m. - 1:30 p.m. **725-P Minimal Weight Loss to Achieve Diabetes Prevention after a Six-Month Intervention in the Korean Diabetes Prevention Study**
Presenting Author: Jeong-Taek Woo, MD

12:30 p.m. - 1:30 p.m. **726-P Two-Year Follow-up of AVT001 Dendritic Cell Therapy for Type 1 Diabetes—Continued Off-Therapy Functional Effects and Characterization of Responders**
Presenting Author: Jason L. Gaglia, MD, MMSc

12:30 p.m. - 1:30 p.m. **801-P Bioequivalence of Insulin Efsitora Alfa (Efsitora) U-500 and U-1000 Formulations**
Presenting Author: Jennifer Leohr, PhD

12:30 p.m. - 1:30 p.m. **802-P Steady-State Pharmacokinetics and Glucodynamics of Once-Weekly Insulin Efsitora Alfa (Efsitora) in Individuals with Type 2 Diabetes (T2D)**
Presenting Author: Jennifer Leohr, PhD

12:30 p.m. - 1:30 p.m. **803-P Success of Virtual Patient Simulation on Improving Basal Insulin Initiation in People with T2D**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **804-P A1C and Hypoglycemia Outcomes with Once-Weekly IcoSema vs. Comparators in T2D by Kidney Function**
Presenting Author: Linong Ji, MD

12:30 p.m. - 1:30 p.m. **805-P Early Glycemic Improvement When Switching to iGlarLixi from Premixed Insulins (PI) in Adults with Type 2 Diabetes (T2D)—A Post Hoc Analysis of Soli-SWITCH**
Presenting Author: Martin Haluzik, MD, DSc

12:30 p.m. - 1:30 p.m. **806-P Glycemic Outcomes When Switching to iGlarLixi from Premixed Insulin (PI) in People with Type 2 Diabetes (T2D) by iGlarLixi Pen Subgroups—Post Hoc Analysis of Soli-SWITCH**
Presenting Author: Martin Haluzik, MD, DSc

12:30 p.m. - 1:30 p.m. **807-P Comparable Glycemic Control of Once-Weekly Insulin GZR4 Relative to Once-Daily Insulin Degludec in Insulin-Naïve Chinese Subjects with T2D**
Presenting Author: Liming Chen, MD

12:30 p.m. - 1:30 p.m. **808-P Superior Glycemic Control Achieved with Once-Weekly Insulin GZR4 Compared with Once-Daily Insulin Degludec in Insulin-Treated Chinese Subjects with T2D**

Presenting Author: Liming Chen, MD

12:30 p.m. - 1:30 p.m. **810-P Insulin Efsitora Alfa vs. Insulin Degludec in Adults with Insulin-Naïve T2D (QWINT-2)—A Japan Subgroup Analysis**
Presenting Author: Mihoko Yoshino, MD

12:30 p.m. - 1:30 p.m. **811-P Once-Weekly Insulin SHR-3167 vs. Insulin Glargine U100 (IGlar U100) in Healthy Subjects**
Presenting Author: Chengyong Tang, MD

12:30 p.m. - 1:30 p.m. **812-P Comparison of Efficacy of Short-Acting Human Insulin and Fast-Acting Insulin Analog after High- and Low-Carbohydrate Meal—Do the Pharmacokinetic Differences Matter?**
Presenting Author: Edward Franek, MD

12:30 p.m. - 1:30 p.m. **813-P Machine Learning–Based Prediction Models for Initial Insulin Pump Dosing in Type 2 Diabetes Patients**
Presenting Author: Xi Rong, MD

12:30 p.m. - 1:30 p.m. **814-P Efficacy and Safety of Switching to Iglarlixi from Premix Insulin Regimen in Patients with T2DM—Real-World Experience**
Presenting Author: Chun Jui Huang, PhD

12:30 p.m. - 1:30 p.m. **815-P CGM-Derived Model-Based Postprandial Glucose with IcoSema vs. Other Insulin Regimens—A Post Hoc Analysis of COMBINE 1 and 3**
Presenting Author: Christophe De Block, MD, PhD

12:30 p.m. - 1:30 p.m. **816-P Efficacy and Hypoglycemia Outcomes with Once-Weekly Insulin Icodec vs. Once-Daily Basal Insulin in T2D by Diabetes Duration—ONWARDS 1–5**
Presenting Author: Alice Y. Y. Cheng, MD, FRCPC

12:30 p.m. - 1:30 p.m. **817-P A Weekly Tension Off-Loading Patch for Lipohypertrophy**
Presenting Author: J Hans DeVries, MD, PhD

12:30 p.m. - 1:30 p.m. **818-P Risk Factors Influencing Insulin Use and Prescription Filling among REAL-T Study Young Adults with T1D**
Presenting Author: Ngozi D. Nnoli, BS, MS

12:30 p.m. - 1:30 p.m. **819-P Efficacy and Hypoglycemia Outcomes with Once-Weekly Insulin Icodec vs. Once-Daily Basal Insulin in T2D by Baseline BMI—ONWARDS 1–5**
Presenting Author: Luis Henrique S. S. Canani, MD, PhD

12:30 p.m. - 1:30 p.m. **820-P Insulin Efsitora Alfa (Efsitora) Demonstrates Better Overall Health State vs. Daily Degludec in Basal-Switch Adults with T2D in QWINT-3**
Presenting Author: Richard M. Bergenstal, MD

12:30 p.m. - 1:30 p.m. **821-P Insulin Efsitora Alfa (Efsitora) Demonstrates Better Overall Health State vs. Daily Degludec in Insulin-Naive Adults with T2D in QWINT-2**
Presenting Author: Harpreet S. Bajaj, MD, MPH

12:30 p.m. - 1:30 p.m. **822-P Efficacy and Hypoglycemia Outcomes with Once-Weekly Insulin Icodec vs. Once-Daily Basal Insulin in T2D by Baseline A1C—ONWARDS 1–5**
Presenting Author: Chantal Mathieu, MD, PhD

12:30 p.m. - 1:30 p.m. **823-P AT278, a Novel Ultra-fast Highly Concentrated Insulin Aspart (500 IU/ml), Shows Ultra-fast Properties Independent of BMI**

Presenting Author: Thomas Pieber, MD

12:30 p.m. - 1:30 p.m. **824-P Uncovering the Bidirectional Glucose-Dependent Relationship of Insulin and Glucagon—A Meal-Challenge Study in Patients with Type 1 Diabetes**
Presenting Author: Guillaume Kraft, PhD

12:30 p.m. - 1:30 p.m. **825-P AI-Based Optimization of Patient Eligibility for Oral Insulin Treatment—A Post Hoc Analysis to Identify Responders**
Presenting Author: Miriam Kidron, PhD

12:30 p.m. - 1:30 p.m. **826-P Comparison of Pharmacodynamics and Pharmacokinetics of Insulin Aspart and Faster-Acting Insulin Aspart around Continuous Moderate Intensity Exercise in Adults with Type 1 Diabetes—A Randomised Controlled Trial**
Presenting Author: Richard M. Bracken, BSc, MSc, PhD, HECERT(ed)

12:30 p.m. - 1:30 p.m. **827-P Patient-Reported Outcomes with Use of Inhaled Technosphere Insulin (TI)**
Presenting Author: Katrina Ruedy, MSPH

12:30 p.m. - 1:30 p.m. **828-P Fixed-Dose Titration of Insulin Efsitora Alfa Demonstrates Greater Patient Preference vs. Daily Glargine in Insulin-Naïve Adults with T2D in QWINT-1**
Presenting Author: Eden Miller, DO

12:30 p.m. - 1:30 p.m. **829-P Once-Weekly Insulin SHR-3167 in Healthy Subjects and Type 2 Diabetes Mellitus Participants—A Phase 1, Randomized, Single- and Multiple-Ascending Dose Study**
Presenting Author: Yun Liu, PhD

12:30 p.m. - 1:30 p.m. **830-P CGM-Based Outcomes in Adults with T2D Receiving IcoSema vs. Comparators—Post Hoc Analysis of COMBINE 1 and 3**
Presenting Author: Concetta Irace, PhD

12:30 p.m. - 1:30 p.m. **831-P Comparison of Glargine 100, Glargine 300, and Degludec in Fasting during Ramadan**
Presenting Author: Reem Alamoudi, MN, MHSc

12:30 p.m. - 1:30 p.m. **832-P Adding Subcutaneous Basal Insulin to Insulin Pump Therapy in Adults with Type 1 Diabetes and Recurrent Diabetic Ketoacidosis**
Presenting Author: Jaspreet K. Batth, MBBS

12:30 p.m. - 1:30 p.m. **833-P Efficacy and Safety of Prandial Technosphere Inhaled Insulin (Afrezza) Compared with Placebo in Adult Individuals with T2DM—Results from a Phase III Clinical Trial from India**
Presenting Author: KM Prasanna Kumar, DM

12:30 p.m. - 1:30 p.m. **917-P Real-World Impact of Open Source Automated Insulin Delivery (OS AID) on Glycemic Variability Reduction**
Presenting Author: Ali Alqahtani, MBBS

12:30 p.m. - 1:30 p.m. **918-P Fully Closed Loop (FCL) System Improves Glycemic Control through Personalized Adaptation of Individual Insulin Needs in Adults, Young Adults, and Adolescents with Type 1 Diabetes (T1D)**
Presenting Author: Marcela Moscoso-Vasquez, PhD

12:30 p.m. - 1:30 p.m. **919-P Sex Differences in Glycemic Outcomes Using Fully Automated Closed Loop (FCL) System in Type 1 Diabetes (T1D)—Insights and Implications**
Presenting Author: Marcela Moscoso-Vasquez, PhD

12:30 p.m. - 1:30 p.m.	**920-P The Relationship between Glycemia and Insulin Sensitivity Factor** Presenting Author: Erik Huneker, MSc
12:30 p.m. - 1:30 p.m.	**921-P Impact of Heart Rate and Step Count on Deep Learning Glucose Prediction Models during Physical Activity** Presenting Author: Erik Huneker, MSc
12:30 p.m. - 1:30 p.m.	**922-P Fear of Hypoglycemia after Ramadan Fasting among People with Type 1 Diabetes —A Multicenter Study from Saudi Arabia** Presenting Author: Sahar Alharthi, MBBS
12:30 p.m. - 1:30 p.m.	**923-P Fasting Experience, Glycemic Control, and Fear of Hypoglycemia in People with Type 1 Diabetes Using Open-Source vs. Commercial Automated Insulin Delivery during Ramadan—A Multicenter Study from Saudi Arabia** Presenting Author: Sahar Alharthi, MBBS
12:30 p.m. - 1:30 p.m.	**924-P Predictors of Diabetes-Related Distress following Closed-Loop Initiation in Adults with Type 1 Diabetes in the UK—Insights from the Association of British Clinical Diabetologists** Presenting Author: Alexandros L. Liarakos, MBBS, MRCP UK
12:30 p.m. - 1:30 p.m.	**925-P Real-World Outcomes of the Integration of Omnipod 5 Insulin Pump and Freestyle Libre 2 plus Continuous Glucose Monitoring in Adults with Type 1 Diabetes** Presenting Author: Alexandros L. Liarakos, MBBS, MRCP(UK)
12:30 p.m. - 1:30 p.m.	**926-P Automated Insulin Delivery vs. Open-Loop Insulin Delivery during Ramadan in Patients with Type 1 Diabetes in Saudi Arabia—The Hybrid-Ram Randomized Controlled Trial** Presenting Author: Mohammed Almehthel, MD
12:30 p.m. - 1:30 p.m.	**927-P Unlocking the Predictors of Improved Time in Range for Users of Automated Insulin Delivery Systems during Ramadan Fasting—Findings from the Hybrid-Ram Randomized Controlled Trial** Presenting Author: Mohammed Almehthel, MD
12:30 p.m. - 1:30 p.m.	**928-P AI-Based Fully Closed Loop (FCL) Achieves Improved Glycemia vs. Hybrid Closed Loop (HCL) in People with Type 1 Diabetes (T1D)** Presenting Author: Gregory P. Forlenza, MD, MS
12:30 p.m. - 1:30 p.m.	**929-P Assessment of Impact of Online CME and Future Education Needs Related to Automated Insulin Delivery Use in People with T2D** Presenting Author: Amy Larkin, PharmD
12:30 p.m. - 1:30 p.m.	**930-P The Impact of Insulin Delivery Modality on Fasting Experience, Glycemic Control, and Fear of Hypoglycemia in the Month of Ramadan in People with T1D—A Prospective, Multicenter Study from Saudi Arabia** Presenting Author: Mohammed Al-Sofiani, MBBS, MSc
12:30 p.m. - 1:30 p.m.	**931-P Fasting Experience and Glycemic Control among People with Type 1 Diabetes Using Medtronic 780G vs. Tandem Control-IQ during Ramadan—A Multicenter Study from Saudi Arabia** Presenting Author: Mohammed Al-Sofiani, MBBS, MSc
12:30 p.m. - 1:30 p.m.	**932-P MiniMed 780G System Use in a Real-World United States (U.S.) Population Aged 65 Years and Older with Diabetes**

Presenting Author: Robert A. Vigersky, MD

12:30 p.m. - 1:30 p.m. **933-P MiniMed 780G System Users Achieve Consensus Glycemic Goals Regardless of Size of Carbohydrate Entry**
Presenting Author: Robert A. Vigersky, MD, CMO

12:30 p.m. - 1:30 p.m. **934-P Diabetes Technology across the Lifespan (Ages 2–89 Years)—Insights from the Technology Report on Surprising Usage Trends in Older Age Groups in Austria, Germany, and Switzerland**
Presenting Author: Norbert Hermanns, PhD

12:30 p.m. - 1:30 p.m. **935-P Personality Traits and Glycemic Control in Type 1 Diabetic Patients with Different Insulin Therapies**
Presenting Author: Eugenia Resmini, MD, PhD

12:30 p.m. - 1:30 p.m. **936-P The Effect of Switching the Medtronic MiniMed 780G Insulin Pump to the "Optimal" Setting**
Presenting Author: Janos T. Kis, PhD

12:30 p.m. - 1:30 p.m. **937-P Successful Transition from Multiple Daily Injections (MDI) to Automated Insulin Delivery (AID)—Real-World Glycemic Outcomes among People with Diabetes Using the Omnipod 5 AID System**
Presenting Author: Grazia Aleppo, MD, FACE, FACP

12:30 p.m. - 1:30 p.m. **938-P MiniMed 780G System Users Achieve Similar Glycemic Outcomes Regardless of Socioeconomic Status**
Presenting Author: Jennifer J. F. McVean, MD

12:30 p.m. - 1:30 p.m. **939-P People with Type 1 Diabetes (T1D) with High Baseline A1Cs Experience Drastic Glycemic Outcomes from Use of the Automated Insulin Delivery as Adaptive Network (AIDANET) Fully Closed Loop (FCL) System**
Presenting Author: Lindsey Towers, BS

12:30 p.m. - 1:30 p.m. **940-P Porous Insulin Microneedles for Diabetes Treatment**
Presenting Author: Jingbo Li, PhD

12:30 p.m. - 1:30 p.m. **941-P Perceptions and Acceptance of Technology in an Automated Insulin Delivery Adaptive Network (AIDANET) Fully Closed Loop (FCL) System**
Presenting Author: Estella Escobar, BS

12:30 p.m. - 1:30 p.m. **942-P Pediatric and Adult T1D Glycemic, QoL, and Safety Outcomes of 1,013 Single Clinic Open Source AID Installations**
Presenting Author: Tom Elliott, MBBS, FRCPC

12:30 p.m. - 1:30 p.m. **943-P Real-World Performance of the MiniMed 780G System Safe Meal Bolus Reduction Is Dependent on Multiple Factors**
Presenting Author: Venkat Putcha, PhD

12:30 p.m. - 1:30 p.m. **944-P Use of High-Potency GLP-1 Receptor Agonists with OpenAPS Automated Insulin Dosing Algorithm Eliminates Need for Meal Announcements to Achieve Glycemic Goals**
Presenting Author: Tugce Akcan, MD

12:30 p.m. - 1:30 p.m. **945-P Improved Glycemic Outcomes with the Omnipod 5 AID System in Adults with Type 2 Diabetes (T2D) Previously Using Basal without Bolus Insulin—Subanalysis of the SECURE-T2D Study**
Presenting Author: Anders L. Carlson, MD

12:30 p.m. - 1:30 p.m. **946-P Efficacy of Ultra-rapid and Rapid-Acting Insulin Analogs in Hybrid and Advanced Automated Insulin Delivery Systems among People with Type 1 Diabetes—A Systematic Review and Meta-analysis of Randomized Controlled Trials**

Presenting Author: Yongwen Zhou, PhD

12:30 p.m. - 1:30 p.m. **947-P Real-World Efficacy of the iLet Bionic Pancreas in Users with Type 1 and Type 2 Diabetes during the First Eighteen Months of Commercial Availability**

Presenting Author: Steven J. Russell, MD, PhD

12:30 p.m. - 1:30 p.m. **948-P Transition of Persons over 65 Years of Age with Type 1 Diabetes to the MiniMed 780G System—Preliminary Results from a Six-Month, Single-Center Prospective Randomized Study**

Presenting Author: Bartłomiej Matejko, PhD

12:30 p.m. - 1:30 p.m. **949-P Meal Composition and Postprandial Glucose (PPG) Excursions in a Fully Closed-Loop (FCL) Study**

Presenting Author: Laya Ekhlaspour, MD

12:30 p.m. - 1:30 p.m. **950-P A Multicenter Retrospective Observational Study of the Safety and the Effectiveness of the MEDISAFE WITH Patch Insulin Pump—MW-Safety Study**

Presenting Author: Junnosuke Miura, MD, PhD

12:30 p.m. - 1:30 p.m. **951-P MiniMed 780G System Use with Fast-Acting Insulin Aspart by Adults with T1D**

Presenting Author: Halis K. Akturk, MD

12:30 p.m. - 1:30 p.m. **953-P Twenty-Five Hours of Fasting with Automated Insulin Delivery in Youth with Type 1 Diabetes**

Presenting Author: Revital Nimri, MD

12:30 p.m. - 1:30 p.m. **954-P Time in Range with the Medtronic Extended Infusion Set vs. Standard Infusion Set for Real-World MiniMed 780G System Users in the United States (U.S.)**

Presenting Author: Sarnath Chattaraj, PhD

12:30 p.m. - 1:30 p.m. **955-P A Prospective Analysis of the Canadian Patient Transition Experience to Two Advanced Hybrid Closed-Loop Insulin Pump Technologies**

Presenting Author: Gurleen Nirwal, BSc

12:30 p.m. - 1:30 p.m. **956-P Impact of Early Use of Open-source Automated Insulin Delivery Systems with the Implementation of Standard Initiation Protocol among Recently Diagnosed People with Type 1 Diabetes**

Presenting Author: Ying Ni, Postgraduate

12:30 p.m. - 1:30 p.m. **957-P Impact of Bolus Timing on Glucose Control**

Presenting Author: Amir Tirosh, MD PhD

12:30 p.m. - 1:30 p.m. **958-P Impact of Insulin Therapy Technology on Health-Related Quality of Life in Adults with Type 1 Diabetes—A Health Utility Study of Five Forms of Therapy**

Presenting Author: Jackie Elliott, PhD, FRCP

12:30 p.m. - 1:30 p.m. **959-P Effective Utilization of Advanced Devices for Elderly People to Safely Continue Self-Administration of Insulin**

Presenting Author: Hakuyo Tsuru, Doctor

12:30 p.m. - 1:30 p.m. **960-P Real-World Clinical Outcomes of the Omnipod 5 Hybrid Closed-Loop System in Type 1 Diabetes—Findings from a Major UK Center**

Presenting Author: Eleanor McNally, MBCHb, BSc

12:30 p.m. - 1:30 p.m. **961-P Efficacy and Safety of Inhaled vs. Subcutaneous Insulin—A Meta-analysis**

Presenting Author: Abdul Rafeh Awan, MBBS

12:30 p.m. - 1:30 p.m. **962-P Evaluating Type 1 Diabetes (T1D) Care across All Ages with the Automated Insulin Delivery Adaptive Network (AIDANET) System in Fully Closed Loop (FCL)**

Presenting Author: Jasmine Y. Hosseinipour, BA

12:30 p.m. - 1:30 p.m. **963-P Use of a Fully Closed Loop (FCL) System Improves Glycemic Outcomes in Youth and Adults with Type 1 Diabetes (T1D) Not Meeting Glycemic Goals**

Presenting Author: Jenise C. Wong, MD, PhD

12:30 p.m. - 1:30 p.m. **964-P Reducing Discordance between GMI and A1C Using AI**

Presenting Author: Ali Alqahtani, MBBS

12:30 p.m. - 1:30 p.m. **965-P Enhancing Diabetes Device Performance—Predictive Maintenance through Smart Sensor Integration**

Presenting Author: Syed I. Hasan, .

12:30 p.m. - 1:30 p.m. **966-P Real-World Impact of AI-driven CGM Platform on Glycemic Status in Type 2 Diabetes—A Retrospective Study**

Presenting Author: Annie M. Raymond, MSc Food Science and Nutrition

12:30 p.m. - 1:30 p.m. **967-P Decipher Y-Health Platform—Impact of Continuous Glucose Monitoring vs. Self-Monitored Blood Glucose on Glycemic Parameters and Behaviour Change through 12-Week Metabolic Review Program**

Presenting Author: Brij M. Makkar, MD, FRCP, FACE

12:30 p.m. - 1:30 p.m. **969-P Bridging the Digital Divide—A Scoping Review of Barriers and Facilitators to Technology Use in Underrepresented Racial and Ethnic Adolescents and Young Adults with Type 1 Diabetes**

Presenting Author: Eric Peprah Osei, BSN

12:30 p.m. - 1:30 p.m. **970-P Perspectives from Caregivers of Older Adults with Insulin-Treated Diabetes Regarding Remote CGM Education and Support**

Presenting Author: Atif Adam, PhD, MD, MPH

12:30 p.m. - 1:30 p.m. **971-P The Application of Continuous Glucose Monitoring System as an Educational Tool in Newly Diagnosed Patients with Type 2 Diabetes—Preliminary Results from a Single-Center RCT**

Presenting Author: Magdalena Plonka-Stepien, MD

12:30 p.m. - 1:30 p.m. **972-P A Continuous Glucose Monitor–Derived Adjustment Factor Applied to HbA1c—Implications for Improved Clinical Decision Making**

Presenting Author: Adrian H. Heald, DM

12:30 p.m. - 1:30 p.m. **973-P Initiation of Dexcom CGM Is Associated with Improved Renal Outcomes in Adults with Chronic Kidney Disease (CKD) on Insulin Therapy**

Presenting Author: Katia Hannah, PhD, MPH

12:30 p.m. - 1:30 p.m. **974-P Glucose Data Extraction from Continuous Glucose Monitoring Documents Using Natural Language Processing**

Presenting Author: Yaguang Zheng, PhD

12:30 p.m. - 1:30 p.m.	**975-P Housing Status and Glucose Variability in Type 2 Diabetes** Presenting Author: Soohyun Nam, PhD, APRN, ANP-BC, FAHA, FAAN
12:30 p.m. - 1:30 p.m.	**976-P Data Privacy and Trust Concerns among Adolescent and Young Adults (AYAs) with T1D Using Hybrid-Closed Loop Systems** Presenting Author: Gregory P. Forlenza, MD, MS
12:30 p.m. - 1:30 p.m.	**977-P Multisensing Implantable Automated Insulin Delivery System—Expectations of Parents, People with Type 1 and Type 2 Diabetes** Presenting Author: Dominic Ehrmann, PhD
12:30 p.m. - 1:30 p.m.	**978-P Dexcom G7 Accuracy and Reproducibility in the Intensive Care Unit** Presenting Author: Irl B. Hirsch, MD
12:30 p.m. - 1:30 p.m.	**979-P Leveraging Machine Learning and Demographic Insights to Optimize Blood Glucose Management on a Digital Health Platform** Presenting Author: Yifat Fundoiano-Hershcovitz, PhD
12:30 p.m. - 1:30 p.m.	**980-P Leveraging Machine Learning to Enhance Blood Glucose Management—Insights from Digital Health Platform** Presenting Author: Yifat Fundoiano-Hershcovitz, PhD
12:30 p.m. - 1:30 p.m.	**981-P Success of Online CME at Improving Clinical Knowledge, Competence, and Confidence regarding CGM** Presenting Author: Amy Larkin, PharmD
12:30 p.m. - 1:30 p.m.	**982-P Factors Associated with Discrepancy between A1C and GMI in Veteran Population on Insulin Pump** Presenting Author: Julio A. Leey, MD
12:30 p.m. - 1:30 p.m.	**983-P Continuous Glucose Monitoring in DKA and Acute Hyperglycemia—Performance and Insights** Presenting Author: Rebecca Longo, DNP, ACNP-BC, CDCES
12:30 p.m. - 1:30 p.m.	**984-P Exploring the Impact of Dexcom CGM and Levels Metabolic Health App's Meal Logging Feature on Glycemic Outcomes and Behaviors across BMI Categories in a Real-World Cohort without Diabetes** Presenting Author: Margaret A. Crawford, MPH PhD
12:30 p.m. - 1:30 p.m.	**985-P Continuous Glucose Monitoring and Associated Outcomes in Insulin-Using Older Adults with Diabetes and Alzheimer's Disease and Related Dementias Using Medicare 2016–2020 Data** Presenting Author: Pareeta Kotecha, PhD
12:30 p.m. - 1:30 p.m.	**986-P A1C Benefits of Dexcom rtCGM Compared with SMBG among People with Type 2 Diabetes on Less Intensive Therapies** Presenting Author: Blake C. Liu, Master's Degree
12:30 p.m. - 1:30 p.m.	**987-P Baseline Characteristics of Adults with Type 2 Diabetes in a Pilot RCT of an Interactive Digital Food Diary App and CGM** Presenting Author: Kallie Brown, PhD
12:30 p.m. - 1:30 p.m.	**988-P Understanding Glycemic Control in the Post-discharge Period through Blinded Continuous Glucose Monitoring**

Presenting Author: Rahul Patel, BA

12:30 p.m. - 1:30 p.m. **989-P Minimum Glucose of the Day in People with Type 2 Diabetes on Long-Acting Insulin**

Presenting Author: Aparajita Bhattacharya, PhD

12:30 p.m. - 1:30 p.m. **990-P Impact of Early Continuous Glucose Monitor Placement in Pediatric Patients**

Presenting Author: Sarah Giger, MD, MPH

12:30 p.m. - 1:30 p.m. **992-P A Retrospective Comparative Study of Glycemic Control Metrics at Six Months in 133 Patients with Type 1 Diabetes after Switching from isCGM to rtCGM with the Same Sensor Profile**

Presenting Author: Dan Sekiguchi, Bachelor of Education

12:30 p.m. - 1:30 p.m. **993-P Performance of iCan CGM System in a Pediatric Population**

Presenting Author: Jiyun Zheng, PhD

12:30 p.m. - 1:30 p.m. **994-P Impact of Telemonitoring and Remote Care on Patients with Type 2 Diabetes Mellitus—Hospital De Calderon, Quito, Ecuador**

Presenting Author: Angel B. Santillan, Magister

12:30 p.m. - 1:30 p.m. **995-P Current Gaps in CGM Data Tools and Methods**

Presenting Author: Juan C. Espinoza, MD

12:30 p.m. - 1:30 p.m. **996-P Continuous Glucose Monitoring Reveals Predictors of Hyperglycemia Duration in Diabetic Inpatient Care**

Presenting Author: Yi Liu, MS

12:30 p.m. - 1:30 p.m. **997-P Effectiveness of Telemedicine in Improvements of Glycemic Control in Patient with Diabetes Mellitus in Saudi Arabia**

Presenting Author: Afraa A. Alateyah, MD

12:30 p.m. - 1:30 p.m. **998-P GMI–A1C Concordance in Emerging Adults with T1D from the iHERO Study**

Presenting Author: Niki J. Rodgers, BA

12:30 p.m. - 1:30 p.m. **999-P Continuous Glucose Monitoring Metrics Predict All-Cause Mortality in Patients with Both Type 1 and Type 2 Diabetes**

Presenting Author: Tomoki Okuno, MS

12:30 p.m. - 1:30 p.m. **1000-P Observed Glycemic and Psychosocial Benefits in the Prospective Bigfoot Unity Real-World Study (BURST)—A Twelve-Month Analysis**

Presenting Author: John Tillman, PhD

12:30 p.m. - 1:30 p.m. **1001-P Association between Continuous Glucose Monitoring (CGM) Adherence and Diabetes-Related (DR) Hospitalizations in People with Type 2 Diabetes (PwT2D) on Intensive Insulin Therapy (IIT)**

Presenting Author: Poorva Nemlekar, MPharm

12:30 p.m. - 1:30 p.m. **1002-P HbA1c Improvement with the Addition of Continuous Glucose Monitoring to GLP-1 Agonist Therapy in People with Type 2 Diabetes**

Presenting Author: Susan Thapa, PhD, MPH

12:30 p.m. - 1:30 p.m. **1003-P Ketone Profiles in Free-living People with Type 1 Diabetes Using Continuous Ketone Monitoring**
Presenting Author: Yee W. Kong, MD, FRACP

12:30 p.m. - 1:30 p.m. **1004-P Glycemic Outcomes by Age in Real-World Implantable 180-Day Eversense E3 CGM System Users**
Presenting Author: Shaoling Han, MSc

12:30 p.m. - 1:30 p.m. **1005-P Comparison of Raman-Based Noninvasive Glucose Monitoring Sensor with Commercially Available Methods**
Presenting Author: Jeon Woong Kang, PhD

12:30 p.m. - 1:30 p.m. **1006-P Developing CGMap—Characterizing Continuous Glucose Monitoring Data in Patients with Type 2 Diabetes**
Presenting Author: Shuzhen Bai, MD Candidate

12:30 p.m. - 1:30 p.m. **1007-P Development of Noninvasive Blood Glucose Measurement Using Visible Light Photoplethysmography Signals in Subjects with Diabetes**
Presenting Author: Chul SIk Kim, MD, PhD

12:30 p.m. - 1:30 p.m. **1008-P Assessing Obstetrician's Awareness of and Experience with Continuous Glucose Monitoring**
Presenting Author: Marie Frazzitta, FNP-c, DNP, CDCES

12:30 p.m. - 1:30 p.m. **1009-P Complexity Separation among Diabetes Types Depends on Time, Not Scale Size**
Presenting Author: Rena D. Wang, PhD

12:30 p.m. - 1:30 p.m. **1010-P Glucometer Usability for Type 2 Diabetes Patients Aged 65+—Insights on Physical and Cognitive Challenges**
Presenting Author: Nipakumari J. Patel, MBBS

12:30 p.m. - 1:30 p.m. **1011-P Refined Time-in-Range Analysis for Continuous Glucose Monitoring—Mitigating Bias from Missing Data in Inpatient Glycemic Control**
Presenting Author: Qi Yu, MSPH

12:30 p.m. - 1:30 p.m. **1012-P Codesigning Solutions for CGM Use in Community Health Centers**
Presenting Author: Emily L. Lam, BA

12:30 p.m. - 1:30 p.m. **1013-P Estimates of Mean Red Blood Cell Age (M_{RBC}) Obtained with Continuous Glucose Monitoring (CGM)-Based Computational Methods Are Comparable to Those Obtained with Stable Isotope (SI) In Vivo Measurements**
Presenting Author: Veronica Tozzo, PhD

12:30 p.m. - 1:30 p.m. **1014-P The Cut Diabetes Trial—A Randomized Study of Culturally Tailored Diabetes Self-Care and Management Education Support (DSMES) for Type 2 Diabetes with and without Real-time Continuous Glucose Monitoring and Its Effect on Lifestyle**
Presenting Author: Jovana Vidovic, MD

12:30 p.m. - 1:30 p.m. **1015-P Improving CGM Implementation and Glycemia in Primary Care—Primary Care Education and Practice Adoption Resource Evaluation for Continuous Glucose Monitoring (PREPARE 4 CGM) Study**
Presenting Author: Sean M. Oser, MD, MPH

12:30 p.m. - 1:30 p.m. **1016-P Identification of Clinically Significant Automatically Detected Meal-Like Glucose Excursion in People with Type 1 Diabetes**
Presenting Author: Sang Ho Park, MSc

12:30 p.m. - 1:30 p.m. **1018-P GluVue: Revolutionizing Continuous Glucose Monitoring Data Interpretation in Clinical Practice**
Presenting Author: Katie Cefalu, RN, CDCES

12:30 p.m. - 1:30 p.m. **1019-P Artificial Intelligence (AI)-Driven HbA1c Estimation from Retinal Images and Its Correlation with Lab-Measured HbA1c**
Presenting Author: Soujanya Kaup, MS, DNB, MSc

12:30 p.m. - 1:30 p.m. **1020-P Evaluating Glycemic Benefits of an AI-Driven Glucose Prediction App via Digital Twin Technology**
Presenting Author: Marc D. Breton, PhD

12:30 p.m. - 1:30 p.m. **1021-P Analysis of Self-Management Actions Taken by Level2 Participants with T2DM to Improve Long-Term Glycemic Control**
Presenting Author: Sam Bacon, BA

12:30 p.m. - 1:30 p.m. **1023-P Noninvasive Detection of Hyperglycemic Events in Persons with Diabetes through Development of a Breath-Based Sensor Array**
Presenting Author: Mark D. Woollam, PhD

12:30 p.m. - 1:30 p.m. **1024-P An Innovative Approach to Durable and Accurate Glucose Sensing Technology**
Presenting Author: Andy Chapman, PhD, MSci

12:30 p.m. - 1:30 p.m. **1025-P Effect of Intermittently Scanned Continuous Glucose Monitoring in Older Adults with Type 2 Diabetes on Noninsulin Therapy—A Post Hoc Analysis of a Randomized Clinical Trial**
Presenting Author: Caity DeCara, BS

12:30 p.m. - 1:30 p.m. **1026-P Sustained Benefits of Continuous Glucose Monitoring Combined with Geriatric Principles in Reducing Hypoglycemia at 12 Months in Older Adults with Type 1 Diabetes**
Presenting Author: Elena Toschi, MD

12:30 p.m. - 1:30 p.m. **1027-P Evaluating the Accuracy of a Novel AI-powered Optical Device for Noninvasive Glucose Monitoring—Results from a Prospective Clinical Study**
Presenting Author: Dimiter Avtanski, PhD

12:30 p.m. - 1:30 p.m. **1028-P How Stable Is the Discrepancy between HbA1c and Glucose Management Index? The Multicenter Franco–Belgian Concordance Study over 2 Years**
Presenting Author: Emmanuel Cosson, MD, PhD

12:30 p.m. - 1:30 p.m. **1029-P Periodic Use of Intermittently Scanned CGM with AI Food Camera in Non-insulin-Treated Type 2 Diabetes—A Randomized Clinical Trial**
Presenting Author: Sun Joon Moon, MD

12:30 p.m. - 1:30 p.m. **1030-P Device Pathways following CGM Discontinuation in Adults with Type 1 Diabetes (T1D)**
Presenting Author: Molly L. Tanenbaum, PhD

12:30 p.m. - 1:30 p.m. **1031-P Accuracy of Dexcom One+ in Patients with Hyperglycemia Hospitalized in Cardiac Intensive Care Unit**

Presenting Author: Jerzy Hohendorff, MD, PhD

12:30 p.m. - 1:30 p.m. **1032-P Diabetes Technology Utilization and eHealth Literacy in Patients with Type 1 Diabetes**
Presenting Author: Neha Parimi, MBBS, MPH

12:30 p.m. - 1:30 p.m. **1033-P Interstitial vs. Arterialized-Venous Glucose Under Experimental Hypoglycemia in Type 2 Diabetes**
Presenting Author: Muhammad Fahad Arshad, MBBS, MRCP, CCT

12:30 p.m. - 1:30 p.m. **1034-P The Association of Voice Features with Glycemic Control in Adults with Diabetes—A Pilot Study**
Presenting Author: Boonsong Ongphiphadhanakul, MD

12:30 p.m. - 1:30 p.m. **1035-P CGM Access in Primary Care—Feasibility Analysis of the First Six Months of an Urban Safety-Net Clinic Pilot Program**
Presenting Author: Jessica Tanenbaum, MD

12:30 p.m. - 1:30 p.m. **1036-P Prandial Insulin Initiation in Type 2 Diabetes—Moving Beyond the "Largest Meal of the Day"**
Presenting Author: Mohammadreza Ganji, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1037-P Use of Continuous Glucose Monitoring as a Complementary Strategy for the Confirmation of Type 2 Diabetes Mellitus Remission**
Presenting Author: Hector I. Saldivar Ceron, PhD

12:30 p.m. - 1:30 p.m. **1038-P Enhanced CGM Metrics in Adults over 65 Compared with Younger Adults**
Presenting Author: Ailene Edwards, BS

12:30 p.m. - 1:30 p.m. **1039-P A Quality Improvement Project to Increase Understanding and Confidence in Continuous Glucose Monitor Utilization among Internal Medicine Residents at a Community-Based Primary Care Clinic**
Presenting Author: Sobrina Mohammed, MBBS

12:30 p.m. - 1:30 p.m. **1040-P Assessment of Intraoperative CGM Compared with POC Glucose Testing during Orthopedic Surgical Procedures**
Presenting Author: Matt Baker, PharmD, MS

12:30 p.m. - 1:30 p.m. **1042-P Intradermal Continuous Glucose Monitor with Embedded Activity and Sleep Tracking**
Presenting Author: Jeffrey J. Bishop, PhD

12:30 p.m. - 1:30 p.m. **1043-P A Machine-Learning Approach to Identify the Biological Overnight Fasting Period in Prediabetes and Early-Onset Type 2 Diabetes**
Presenting Author: Souptik Barua, PhD

12:30 p.m. - 1:30 p.m. **1268-P P-tau217 and Cognitive Function in Long-Duration Type 1 Diabetes**
Presenting Author: Hetal Shah, MD, MPH

12:30 p.m. - 1:30 p.m. **1269-P A Comparison of Patient and Provider-Recommended Targets for Glycemic Management among Older Adults (OA) with Type 1 Diabetes (T1D)**
Presenting Author: Angela Fruik, MPH, RD, LDN

12:30 p.m. - 1:30 p.m. **1270-P Falls among Older Patients with Type 2 Diabetes Mellitus in Vietnam—What Are the Risk Factors?**

Presenting Author: Trung Hoa Dinh, MD

12:30 p.m. - 1:30 p.m. **1271-P Longitudinal Predictors of Cognitive Impairment in Older Adults with Type 2 Diabetes—A Systematic Review**
Presenting Author: Min Jung Kim, PhD, RN

12:30 p.m. - 1:30 p.m. **1272-P Impact of Glucose Tolerance on Muscle Mass and Strength in Community-Dwelling Older Adults—Five-Year Changes**
Presenting Author: Toshiki Kogai, MD

12:30 p.m. - 1:30 p.m. **1273-P Five-Year Changes in Glucose Tolerance, Insulin Secretion, and Insulin Resistance in Community-Dwelling Older Adults**
Presenting Author: Hitoshi Naito, MD, PhD

12:30 p.m. - 1:30 p.m. **1274-P Predictors of A1C Stability over Time among Older Veterans with Diabetes Mellitus**
Presenting Author: Patricia C. Underwood, PhD, NP

12:30 p.m. - 1:30 p.m. **1275-P Association of Metabolic Risk Factors with Brain Health Outcomes in Persons with Type 1 Diabetes**
Presenting Author: Jihyun Park, PhD

12:30 p.m. - 1:30 p.m. **1276-P Effects of Skeletal Muscle Mass and Its Associated Mediators on the Development of Steatotic Liver Disease—Findings from a Prospective Cohort Study in China**
Presenting Author: Xuhong Hou, PhD

12:30 p.m. - 1:30 p.m. **1277-P Gender Differences in the Relationship between Perceived Discrimination and Dementia among Older Adults with Diabetes in High- and Middle-Income Countries**
Presenting Author: Joni S. Williams, MD, MPH

12:30 p.m. - 1:30 p.m. **1278-P Comparison of Hepatic Steatosis and Fibrosis Indices between Patients with Werner Syndrome and Type 2 Diabetes**
Presenting Author: Makoto Miyabayashi, MD

12:30 p.m. - 1:30 p.m. **1279-P Technology Use and Diabetes Management across Elder Age Groups in Type 1 Diabetes and Latent Autoimmune Diabetes of the Adult (LADA), a BETTER Registry Cross-Sectional Analysis**
Presenting Author: Yue Pei Wang, MD, MSc

12:30 p.m. - 1:30 p.m. **1280-P Sex-Specific Associations of Diabetes and Cognition among Middle-Aged and Older Adults in Puerto Rico**
Presenting Author: Rafael Calderon Perez, BS

12:30 p.m. - 1:30 p.m. **1281-P The Role of Depression in FGF21 Responsiveness after Glucose Loading and Sucrose Intake—The Bunkyo Health Study**
Presenting Author: Shota Sakamoto, Master's Degree

12:30 p.m. - 1:30 p.m. **1282-P Ceramides Surpass LDL-Cholesterol in Predicting Cardiovascular Mortality in Patients with as Well as in Patients without the Metabolic Syndrome**
Presenting Author: Laura Schnetzer, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1284-P Pro-B-Type Natriuretic Peptide Strongly Predicts Major Cardiovascular Events and Cardiovascular Mortality in Coronary Artery Disease Patients with NAFLD as Well as in Those without NAFLD**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1285-P The Triglyceride–Glucose Index and Type 2 Diabetes Are Mutually Independent Predictors of Major Cardiovascular Events in Patients with Established Cardiovascular Disease**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1286-P The Visceral Adiposity Index Predicts the Development of Type 2 Diabetes Mellitus in Patients with Established Coronary Artery Disease**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1287-P Type 2 Diabetes and Albuminuria as Predictors of Major Cardiovascular Events in Patients with Established Cardiovascular Disease**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1288-P Waist–to–Body-Mass-Index Ratio Predicts Cardiovascular Events in Patients with Coronary Artery Disease beyond the Metabolic Syndrome**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1289-P Cystatin C Predicts Mortality in Patients with Coronary Artery Disease Both among Subjects with and among Those without the Metabolic Syndrome**
Presenting Author: Thomas Plattner, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1290-P High Prevalence of Cardiometabolic Risk Factors in Young Adults—Urgent Need for Improved Treatment Strategies**
Presenting Author: Andrea Ortiz Rocha, MD

12:30 p.m. - 1:30 p.m. **1291-P Trends and Disparities in Mortality from Comorbid Non-insulin Dependent Diabetes Mellitus and Myocardial Infarction (1999–2022)**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1293-P Effects of Diabetic Retinopathy Alone or Combined with Chronic Kidney Disease on the Risk of Cardiovascular Disease in Patients with Type 2 Diabetes**
Presenting Author: Yeonsoo Park, Dr

12:30 p.m. - 1:30 p.m. **1294-P Incident and Recurrent Gestational Diabetes Mellitus and Risk of Future Type 2 Diabetes—A Cohort Study with a Focus on Asian Women**
Presenting Author: Xin Yin, PhD

12:30 p.m. - 1:30 p.m. **1295-P The Association between Elevated A1C and ASCVD Risk Scores in a Food Insecure Population in Chicago**
Presenting Author: Camden Richter, BA

12:30 p.m. - 1:30 p.m. **1296-P Sex Differences in the Initiation of Blood Pressure (BP) Medications in Type 1 Diabetes (T1D)**
Presenting Author: Brandon Herbert, MPH, PhD

12:30 p.m. - 1:30 p.m. **1297-P Association of Different Insulin Resistance Surrogates with All-Cause and Cardiovascular Mortality among the Population with Cardio-Kidney-Metabolic Syndrome**
Presenting Author: Xingyu Li, Master's Degree

12:30 p.m. - 1:30 p.m. **1298-P Demographic, Racial, and Regional Trends of Diabetes-Related Ischemic Heart Disease Mortality in the United States:1999–2020**
Presenting Author: Efeturi Okorigba, MBBS

12:30 p.m. - 1:30 p.m. **1299-P Trends in Diabetes-Related Heart Failure Hospitalizations and Mortality in California before and after the COVID-19 Pandemic**

Presenting Author: Troy Smith-Bova, MS

12:30 p.m. - 1:30 p.m. **1300-P Use of Novel Race and Ethnicity Data on over 630,000 All of Us Participants for Cardiometabolic Disparities Research**
Presenting Author: Andrea Ramirez, MD, MS

12:30 p.m. - 1:30 p.m. **1301-P Association of Neighborhood Environment with Physical Activity, Sedentarism, and Body Composition Measures among Young Adults in Puerto Rico**
Presenting Author: Yari D. Valle -Moro, DrPH

12:30 p.m. - 1:30 p.m. **1302-P Do Cardiometabolic Risk Factors Differ in Veterans with Diabetic Neuropathy (DN) Compared with Veterans with a Healed Diabetic Foot Ulcer (DFU)?**
Presenting Author: Shreya Thakkar, BA

12:30 p.m. - 1:30 p.m. **1304-P Trends in Use of Medications for Multifactorial Cardiovascular Risk Factor Intervention in Adults with Diabetes in Hong Kong, 2002–2019**
Presenting Author: Jiazhou Yu, PhD

12:30 p.m. - 1:30 p.m. **1305-P Prevalence of Cardiovascular-Kidney-Metabolic Syndrome Stages among Middle-Aged and Elderly Chinese Individuals—Evidence from the CHARLS**
Presenting Author: Xinru Deng, M.Degree

12:30 p.m. - 1:30 p.m. **1306-P Lipid-Lowering Treatment in Patients with Diabetes in Spain**
Presenting Author: Edelmiro Menéndez-Torre, MD

12:30 p.m. - 1:30 p.m. **1307-P Handgrip Strength and Glucose Metabolism on the Risk of Cerebrovascular Accidents and All-Cause Mortality**
Presenting Author: Yunjung Cho, MD, PhD

12:30 p.m. - 1:30 p.m. **1308-P Handgrip Strength and Glucose Metabolism on the Risk of Congestive Heart Failure—Insights from a Nationwide Cohort Study**
Presenting Author: Eun Sook Kim, MD

12:30 p.m. - 1:30 p.m. **1309-P Prediction of Atherosclerotic Cardiovascular Disease vs. Heart Failure in Type 2 Diabetes—A Post Hoc Analysis of the REWIND and ORIGIN Trials**
Presenting Author: Julian W. Sacre, PhD

12:30 p.m. - 1:30 p.m. **1310-P Race/Ethnicity and Treatment Arm Modify the Relationship of Triglyceride Variability with Heart Failure in the ACCORD Trial**
Presenting Author: Daniel S. Nuyujukian, PhD, MPH

12:30 p.m. - 1:30 p.m. **1311-P The Long-Term Effects of Structured Lifestyle Interventions on the Absolute 10-Year CVD Risk among Asian Indians—Results from the Nine-Year Follow-up Study of the Kerala Diabetes Prevention Program**
Presenting Author: Getu D. Demissie, MPH

12:30 p.m. - 1:30 p.m. **1312-P Insulin Resistance and Cardiometabolic Risk Factors in Latino Young Adults without Diabetes in Puerto Rico**
Presenting Author: Cynthia M. Perez, PhD

12:30 p.m. - 1:30 p.m. **1313-P Trends and Burden of Heart Failure Associated Due to Chronic Kidney Disease in Patients with Type 2 Diabetes Mellitus in the United States from 1990 to 2021—A Benchmarking Systematic Analysis**
Presenting Author: Gokul Gopi, MBBS,MD

12:30 p.m. - 1:30 p.m. **1314-P Association of Haptoglobin Levels and Phenotype with Cardiovascular Disease in Adults with Type 2 Diabetes—A FIELD Trial Substudy**
Presenting Author: Kwok Leung Ong, PhD

12:30 p.m. - 1:30 p.m. **1315-P Lipid-Lowering Therapy Patterns of High-Risk Cardiovascular Patients without Prior Myocardial Infarction or Stroke—VESALIUS-REAL—Results from Patients with High-Risk Diabetes in the U.S.**
Presenting Author: Swati Sakhuja, MPH, PhD

12:30 p.m. - 1:30 p.m. **1316-P Prediction of the Development of Diabetes and Comorbidities by Time Spent in a Unipodal Stance with Eyes Closed**
Presenting Author: Takaaki Sato, MD, PhD

12:30 p.m. - 1:30 p.m. **1317-P Problems with Diabetes and Prediabetes Classification and Coding**
Presenting Author: Abdullah A. Noor, MD

12:30 p.m. - 1:30 p.m. **1318-P Predicting Future Development of Type 2 Diabetes Using the EHR-Driven Dysglycemia Risk Score (D-RISK)**
Presenting Author: Abrar Mamun, BA

12:30 p.m. - 1:30 p.m. **1319-P Leveraging Routinely Collected Health Data and Social and Behavioral Determinants of Health in Building Machine-Learning Tools for Diabetes Screening**
Presenting Author: Zhi Tu, MS

12:30 p.m. - 1:30 p.m. **1320-P Diagnosing Diabetes and Assessing Its Prevalence in Patients Attending A&E in an Acute Hospital in England**
Presenting Author: Edward B. Jude, MD, FRCP

12:30 p.m. - 1:30 p.m. **1321-P Quantifying and Adjusting for Classification Uncertainty in Type 2 Diabetes Subtypes**
Presenting Author: Tim Mori, MSc

12:30 p.m. - 1:30 p.m. **1322-P A New Equation to Translate CGM Mean Glucose to HbA1c**
Presenting Author: Michael Fang, PhD

12:30 p.m. - 1:30 p.m. **1323-P Glycemic Status of Adult Patients with Phenylketonuria—Preliminary Data from a Pilot Study**
Presenting Author: Michal Kania, MD

12:30 p.m. - 1:30 p.m. **1324-P New Metabolic Phenotyping Depending on Nontraditional Parameters**
Presenting Author: Sanjay K. Singla, MBBS, MD

12:30 p.m. - 1:30 p.m. **1325-P The Assessment of Quality of Life, Quality of Sleep, and Diabetes Distress in Patients with Newly Diagnosed Type 2 Diabetes Mellitus—Preliminary Results**
Presenting Author: Magdalena Plonka-Stepien, MD

12:30 p.m. - 1:30 p.m. **1326-P Prediabetes—Identifying the Gaps in Diagnosis and Lifestyle Intervention?**
Presenting Author: Katia Hannah, PhD, MPH

12:30 p.m. - 1:30 p.m. **1327-P Body Mass Index in People with Type 1 Diabetes with and without Prior Type 2 Diabetes Diagnosis—A U.S. Managed Care Population**
Presenting Author: Laura Wilson, PharmD

12:30 p.m. - 1:30 p.m. **1328-P Assessment of Clinical Practice Gaps Related to Hypercortisolism Screening and Diagnosis in People with Difficult-to-Control Type 2 Diabetes**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **1329-P Characterization of Pediatric Ketosis-Prone Diabetes—Findings from the SEARCH for Diabetes in Youth Study**
Presenting Author: Mustafa Tosur, MD

12:30 p.m. - 1:30 p.m. **1330-P Glucose-6-Phosphate Dehydrogenase Deficiency Masks the Diagnosis of Abnormal Glucose Tolerance by A1C—The Africans in America Study**
Presenting Author: Anne E. Sumner, MD

12:30 p.m. - 1:30 p.m. **1331-P Aggregate Effect of Hemoglobin A1c–Related Genetic Variants on Other Glycated Proteins by Ancestry**
Presenting Author: Aaron Leong, MD

12:30 p.m. - 1:30 p.m. **1332-P The Impact of the African-Ancestry–Specific G6PD Variant on the Relationship between HbA1c and Glucose**
Presenting Author: Aaron Leong, MD

12:30 p.m. - 1:30 p.m. **1333-P Using Machine-Learning Algorithms to Predict Follow-up among Emergency Department Patients with Newly Diagnosed Diabetes**
Presenting Author: Tammy A. Flores, BA

12:30 p.m. - 1:30 p.m. **1334-P Comparing Surrogate Indexes for Insulin Sensitivity/Resistance as Predictors of Type 2 Diabetes (T2D)**
Presenting Author: Laura Vazquez, BS

12:30 p.m. - 1:30 p.m. **1335-P Serum Granulin Concentrations Are Elevated in Subjects with Impaired Fasting Glucose, Impaired Glucose Tolerance, and Newly Diagnosed Diabetes**
Presenting Author: Yu Hsuan Chou, MD

12:30 p.m. - 1:30 p.m. **1336-P Exploring the Spectrum of HNF1A-MODY in Three Pediatric Patients—From Diagnosis to Management**
Presenting Author: Sydney Look, MD

12:30 p.m. - 1:30 p.m. **1337-P Impact of COVID-19 on Diabetic Eye Screening—A Retrospective Study Exploring Outcomes and Disparities**
Presenting Author: Kashir A. Raza, Medical Student

12:30 p.m. - 1:30 p.m. **1338-P Alternative Approaches to Glucose Measurement during Oral Glucose Tolerance Testing (OGTT) in Cystic Fibrosis (CF)**
Presenting Author: Seema Meighan, DNP, CPNP, MPH

12:30 p.m. - 1:30 p.m. **1339-P Characterization of HNF1A-MODY in Asia—Mutation Profiles and Clinical Manifestations**
Presenting Author: Jun Tang, MD, PhD

12:30 p.m. - 1:30 p.m. **1340-P The Impact of Language Spoken at Home and Racial Interactions on Adherence to Diabetes Management Guidelines for A1C Checks among Foreign-Born Individuals**
Presenting Author: Aliya Kuerban, PhD

12:30 p.m. - 1:30 p.m. **1341-P The Impact of the COVID-19 Pandemic on Diabetes Detection**
Presenting Author: Chengcheng Hu, MPH, MBBS

12:30 p.m. - 1:30 p.m. **1342-P Oral Glucose Tolerance Test—1-Hour and 2-Hour Plasma Glucose, Curve Shape, and Diagnosis—A Retrospective Study**
Presenting Author: João Pedro F.C. Castro, .

12:30 p.m. - 1:30 p.m. **1343-P Unmet Needs for Early-Stage T1D—Ask the Experts Experience**
Presenting Author: Kimberly A. Bautista, MPH

12:30 p.m. - 1:30 p.m. **1344-P Systemic Inflammation Response Index Independently Associated with Increased Mortality in Individuals with Metabolic Syndrome—Results from the NHANES Prospective Cohort Study**
Presenting Author: Junwei Guo, MD

12:30 p.m. - 1:30 p.m. **1345-P Context-Specific Autoantibody Testing for Diabetes Classification**
Presenting Author: Marie C. Abram, DO

12:30 p.m. - 1:30 p.m. **1346-P Identification of Prediabetes Subtypes and Their Association with Outcomes Using Six Variables—A Data-Driven Cluster Analysis**
Presenting Author: Xinda Chen, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1347-P Glycated Hemoglobin (A1C) Testing—Ineffectiveness Due to Hematological Alterations**
Presenting Author: Maria R. Hasbun, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1348-P Combining 1-Hour Plasma Glucose and Fasting Plasma Glucose to Improve Diabetes Detection in Africans—The Africans in America Study**
Presenting Author: Kiran Lakhani, BS

12:30 p.m. - 1:30 p.m. **1349-P Rates of Fibrosis-4 Index Availability among Patients with Newly Diagnosed Type 2 Diabetes in a Nationwide U.S. Cohort**
Presenting Author: Jason Q. Core, MD

12:30 p.m. - 1:30 p.m. **1350-P Community-Supported Initiative for Diabetes Screening and Management in a Rural Community in Bangladesh**
Presenting Author: Abdullah A. Noor, MD

12:30 p.m. - 1:30 p.m. **1351-P New-Onset Hyperglycemia in COVID-19—An Indian Perspective on Clinical Outcomes and Management**
Presenting Author: Sudhir Bhandari, MD, DNB, MNAMS, FRCP, FACE, FACP, FICP

12:30 p.m. - 1:30 p.m. **1352-P Among Those with Normoglycemia (NG), Insulin Resistance Risk Score (IRRS) Elevation Is Observed Up to Three Years prior to Diagnosis of Diabetes (T2D) or Prediabetes (PD)**
Presenting Author: Michael J. McPhaul, MD

12:30 p.m. - 1:30 p.m. **1353-P Asymptomatic Individuals with β-Thalassemia Trait in Southern China Having Falsely Low Hemoglobin A1c Levels Are Readily Identified by Their Low MCV, Low MCH, and High RDW Values**
Presenting Author: Li Liu, BSc

12:30 p.m. - 1:30 p.m. **1354-P The Impact of the COVID-19 Pandemic on Diabetes Control**
Presenting Author: Jessica L. Harding, PhD

12:30 p.m. - 1:30 p.m. **1355-P Encounter Biases Using Electronic Health Records to Identify Type 2 Diabetes Incidence**

Presenting Author: Bing Han, PhD

12:30 p.m. - 1:30 p.m. **1356-P The Prevalence of Beta-Cell Monogenic Diabetes in Early-Onset Type 2 Diabetes Cohort and in Unselected Chinese Population from ChinaMAP Database**

Presenting Author: Tianhao Ba, Doctor

12:30 p.m. - 1:30 p.m. **1357-P Machine-Learning Models to Guide Preventive Interventions for Type 2 Diabetes in India**

Presenting Author: Puja Chebrolu, MD, MSc

12:30 p.m. - 1:30 p.m. **1358-P Diabetes Prediction without Blood Tests—The Role of Retinal Imaging and Artificial Intelligence**

Presenting Author: Jungkyung Cho, MD

12:30 p.m. - 1:30 p.m. **1359-P Predictive Clustering of Type 2 Diabetes Phenotypes for Targeted Risk Management Using Health Checkup Data**

Presenting Author: Shigetoshi Hosaka, MD

12:30 p.m. - 1:30 p.m. **1360-P CGM Sensors Improve the Estimation of Glycemic Outcomes in Newborns at Risk of Neonatal Hypoglycemia**

Presenting Author: Carmen Monthe-Dreze, MD

12:30 p.m. - 1:30 p.m. **1361-P Evaluation of the Feasibility and Acceptability of the Pilot Population Screening Program for Type 1 Diabetes and Celiac Disease in Italy**

Presenting Author: Valentino Cherubini, MD

12:30 p.m. - 1:30 p.m. **1362-P Eligibility for GLP-1 Receptor Agonists for Obesity across 91 Countries**

Presenting Author: Jennifer Manne-Goehler, MD, ScD

12:30 p.m. - 1:30 p.m. **1363-P Emerging Clinical Features of New Onset Type 2 DM in India**

Presenting Author: Sunil S. Gupta, MD, FACE, FRCP (London, Edinburgh, Glasgow), FACP

12:30 p.m. - 1:30 p.m. **1364-P C-Peptide–Based Classification of Late-Onset Diabetes Reveals Treatment Optimization Opportunities in 30% of Insulin-Treated Patients**

Presenting Author: Uyenlinh L. Mirshahi, PhD

12:30 p.m. - 1:30 p.m. **1365-P Predictors and Predictive Models for Abnormal Glucose Metabolism in Adolescents with Polycystic Ovary Syndrome**

Presenting Author: Tingting Zhang, MD

12:30 p.m. - 1:30 p.m. **1366-P Machine Learning for Prediction of Progression from Prediabetes to Diabetes**

Presenting Author: Huanyi Cao, PhD

12:30 p.m. - 1:30 p.m. **1367-P Clinical Relevance of Proposed Type 2 Diabetes Subgroups in Tertiary Care—A SwissDiab Study**

Presenting Author: Michael Braendle, MD, MS

12:30 p.m. - 1:30 p.m. **1368-P A Prediction Model for Prediabetes and Diabetes Using Easily Obtainable Clinical Data**

Presenting Author: Alan Hutchison, MD, PhD

12:30 p.m. - 1:30 p.m. **1369-P Childhood Household Support and Adult Diabetes Risk—Evidence from a Nationally Representative Study**

Presenting Author: Oluwasegun A. Akinyemi, MD, MSc, PhD(c)

12:30 p.m. - 1:30 p.m. **1370-P The High One-Hour Plasma Glucose Predicts Type 2 Diabetes and Is Determined by Genetic and Lifestyle Factors**
Presenting Author: Soobin Cho, Medical Student

12:30 p.m. - 1:30 p.m. **1371-P Identifying Facilitators and Barriers to Outpatient Follow-up among Emergency Department Patients with Newly Diagnosed Diabetes**
Presenting Author: Haeseung Yi, EdD, MPA

12:30 p.m. - 1:30 p.m. **1372-P Evaluation of Urinary C-Peptide as a Surrogate to Predict Subtypes in Adult-Onset Diabetes**
Presenting Author: Iryna Yurchenko, MD

12:30 p.m. - 1:30 p.m. **1373-P Comparison of Characteristics among Individuals with Established vs. Newly Diagnosed Type 2 Diabetes during Ischemic Stroke Hospitalization—A Retrospective Cohort Study**
Presenting Author: Caichen Zhong, PhD, MPH

12:30 p.m. - 1:30 p.m. **1374-P Challenges in Implementing AI-Assisted Diabetic Retinopathy Screening in a Rural Family Medicine Clinic—A Pilot Study**
Presenting Author: Stephen Douglas, BS

12:30 p.m. - 1:30 p.m. **1375-P Why Some Patients Tolerate Severe Insulin Resistance Longer—Insights from Familial Partial Lipodystrophy**
Presenting Author: Matthew Ennis, PhD

12:30 p.m. - 1:30 p.m. **1376-P Validation of the Stool Alkaline Phosphatase (STAP) Test for Predicting Vulnerability to Diabetes**
Presenting Author: Madhu S. Malo, MBBS (MD), PhD

12:30 p.m. - 1:30 p.m. **1377-P Phenotypic Heterogeneity and Risk for Type 2 Diabetes in Central European and South Asian People with Prediabetes**
Presenting Author: Reiner Jumpertz von Schwartzenberg, MD

12:30 p.m. - 1:30 p.m. **1378-P Factors Contributing to the Reduction of Insulin Resistance in Adolescents through High-Risk Approach Interventions**
Presenting Author: Takayuki Ohno, BMed

12:30 p.m. - 1:30 p.m. **1379-P Trends in Comorbidities among U.S. Adults with Undiagnosed or Newly Diagnosed Diabetes, NHANES 2001–2020**
Presenting Author: Stephen J. Onufrak, PhD, MPH

12:30 p.m. - 1:30 p.m. **1380-P Single and Joint Impact of Type 2 Diabetes and of Heart Failure on Serum Levels of Glypican-4**
Presenting Author: Laura Schnetzer, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1381-P Single and Joint Impact of Type 2 Diabetes and of Heart Failure on Serum Levels of Lipoprotein(a)**
Presenting Author: Laura Schnetzer, Doctor's Degree

12:30 p.m. - 1:30 p.m. **1382-P Acute Kidney Injury in Type 1 Diabetes—A Nationwide Study in Korea**
Presenting Author: Dongyoung Lee, MD, PhD

12:30 p.m. - 1:30 p.m. **1383-P Association of Liver Health Metrics and Demographic Parameters in Type 2 Diabetes and Obesity—Insights from a Multiregional Indian Cohort**
Presenting Author: Shivani Chandel, MD

12:30 p.m. - 1:30 p.m. **1384-P Progression of Albumin/Creatinine Ratio (ACR) and Estimated Glomerular Filtration Rate (EGFR) over 24 Years in People with T2D—Drivers and Protectors**
Presenting Author: Adrian H. Heald, DM

12:30 p.m. - 1:30 p.m. **1385-P Burden of Necrobiosis Lipoidica Diabetocorum in a Large, Integrated Health Care System**
Presenting Author: Yian Guo, MS

12:30 p.m. - 1:30 p.m. **1386-P Machine Learning Predicts T2DM Incidence Using Basic Clinical and Laboratory Parameters**
Presenting Author: Andreas Leiherer, Doz. Dr.

12:30 p.m. - 1:30 p.m. **1387-P Trends and Disparities in Mortality from Comorbid NIDDM and Stroke (1999–2022)—A Retrospective Analysis**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1388-P Plasma Proteomics Alterations in Obstructive Sleep Apnea (OSA) Patients—Impact of CPAP Therapy Compared with Healthy Controls**
Presenting Author: Mohamed Abu-Farha, PhD

12:30 p.m. - 1:30 p.m. **1389-P Comparative Impact of T1D or T2D and Hyperglycemia on DNA Methylation in Circulating White Cells**
Presenting Author: Hetal Shah, MD, MPH

12:30 p.m. - 1:30 p.m. **1390-P Multiorgan Disease in Diabetic Retinopathy—A Prospective Cohort Study**
Presenting Author: Helena B. Thomaides-Brears, DPhil, BSc

12:30 p.m. - 1:30 p.m. **1391-P The Usefulness of Biomarkers and the Glycemic Gap in Predicting Mortality in Patients with Sepsis**
Presenting Author: Chandni Radhakrishnan, MD PhD Postgraduate Diploma in Medical Law &Ethics

12:30 p.m. - 1:30 p.m. **1392-P Emergency Hospitalization of Young-Onset Type 1 and 2 Diabetes—Data from the Korean National Health Insurance Service**
Presenting Author: Sungeun Kim, Doctor

12:30 p.m. - 1:30 p.m. **1393-P Early Multisystem Involvement in Prediabetic and Early Diabetic States—Novel Clinical Correlations from a Large-Scale Metabolic Screening**
Presenting Author: Sanjay K. Singla, MBBS, MD

12:30 p.m. - 1:30 p.m. **1394-P Rising Burden of Diabetes and Chronic Kidney Disease Attributable to Sugar-Sweetened Beverages among Young Adults—A Global Analysis and 30-Year Projection (1990–2051)**
Presenting Author: Chang Liu, Doctor

12:30 p.m. - 1:30 p.m. **1395-P Evaluating the Predictive Value of Emerging Indices (WHtR, Tyg-WHtR) vs. Traditional Markers (BMI, TyG Index, TG/HDL, Non-HDL/HDL) for MASLD Severity in People with Diabetes Using Fast Scores**
Presenting Author: Ajoy Tewari, MD,FACP,FRCP

12:30 p.m. - 1:30 p.m. **1396-P The Association of Age of Onset of Type 2 Diabetes and Diabetes Severity**
Presenting Author: Forough Sajjadi, MSc

12:30 p.m. - 1:30 p.m. **1397-P Real-World Evidence on the Legacy Effect of Early vs. Late Glycaemic Reduction and All-Cause Mortality in Newly Diagnosed Type 2 Diabetes**

Presenting Author: Aimin Yang, PhD

12:30 p.m. - 1:30 p.m. **1398-P Identifying Patients with Type 2 Diabetes Mellitus (T2DM) at Risk for Metabolic-Associated Steatotic Liver Disease (MASLD) in the Primary Care Setting**

Presenting Author: Vany Nguyen, PharmD

12:30 p.m. - 1:30 p.m. **1399-P Adherence to Chronic Kidney Disease Screening Guidelines in Type 1 and Type 2 Diabetes**

Presenting Author: Frederik Persson, MD, DMSc

12:30 p.m. - 1:30 p.m. **1400-P Trends and Disparities in Hypoglycemia Related Mortality across the U.S. from 1999 to 2020—Insights from the CDC Wonder Database**

Presenting Author: Rand Daoud, MD

12:30 p.m. - 1:30 p.m. **1401-P Bone Microarchitectural Deterioration in Japanese Adults with Type 1 Diabetes Assessed by Second-Generation HR-pQCT Exhibits Greater Impact on Males Than Females**

Presenting Author: Moeko Kubo, MD

12:30 p.m. - 1:30 p.m. **1402-P Topical Administration of Recombinant Human Thrombomodulin Analogue BB-101 in Diabetic Foot Ulcer—A Randomized, Double-blind, Placebo-controlled, Sequential Dose Escalation, Phase I, Clinical Trial**

Presenting Author: Jiun-Yan Ding, PhD

12:30 p.m. - 1:30 p.m. **1403-P Impact of Ramadan Fasting on Glycemia Risk Index and Other Continuous Glucose Monitoring Metrics in Type 1 Diabetes—A Real-World Observational Study**

Presenting Author: Mohammed Aldawish, MD

12:30 p.m. - 1:30 p.m. **1404-P Obesity and Cardiovascular Risk Factors in Adult Type 1 Diabetes**

Presenting Author: Sharon Macwan, MSc

12:30 p.m. - 1:30 p.m. **1405-P Alterations in the Intestinal Microbiota of Patients with Diabetic Ketoacidosis—A Cross-Sectional Study**

Presenting Author: Ting-Ting Shi, Doctor

12:30 p.m. - 1:30 p.m. **1406-P Impact of County-Level Social Vulnerability on Preventable Diabetes-Related Hospitalization in California**

Presenting Author: Bernice Biney, MBChB, BSc Human Biology

12:30 p.m. - 1:30 p.m. **1407-P Evolving Pattern of Mortality Trend Due to Diabetes with Peripheral Vascular Complications in the United States from 1999–2020—A Benchmarking Analysis from the CDC WONDER Database**

Presenting Author: Mandeep Kaur, MBBS,MD

12:30 p.m. - 1:30 p.m. **1408-P Metabolic Dysfunction–Associated Steatohepatitis as a Risk Factor for Worse Outcomes in Patients Admitted for Diabetic Ketoacidosis**

Presenting Author: Diego Mateo Cornejo Gonzalez, MD

12:30 p.m. - 1:30 p.m. **1409-P Metabolic Factors Modulating the Connection between Diabetes and Pulmonary Dysfunction**

Presenting Author: Maurizio Di Marco, MD

12:30 p.m. - 1:30 p.m. **1411-P Association between Gamma-glutamyl Transferase Levels and Pancreatobiliary Cancer Risk in Diabetes—Evidence from the National Health Insurance Cooperation Health Checkup 2009–2012**

Presenting Author: Jihye Heo, Dr, PhD

12:30 p.m. - 1:30 p.m. **1412-P Association of GA/HbA1c Ratio and All-Cause and Cardiovascular Mortality among Patients with Type 2 Diabetes—A Real-World Study**
Presenting Author: Yiting Xu, PhD

12:30 p.m. - 1:30 p.m. **1413-P Risk Factors Differ by Sex for 30-Year Overt Nephropathy (ON) Incidence But Not for Proliferative Diabetic Retinopathy (PDR) in Type 1 Diabetes (T1D)**
Presenting Author: Rachel G. Miller, PhD

12:30 p.m. - 1:30 p.m. **1414-P Role of Circulating Acylcarnitines on Renal Function Decline in Patients with Type 2 Diabetes**
Presenting Author: Claudia Menzaghi, PhD

12:30 p.m. - 1:30 p.m. **1415-P Joint Effect of Hepatic Steatosis Index and Triglyceride Glucose Index on Cardiorenal Outcomes—A Real-World Study**
Presenting Author: Yun Shen, MD

12:30 p.m. - 1:30 p.m. **1417-P Predicting Diabetes Complications with Metabolic Trajectories and Machine Learning**
Presenting Author: Evan L. Reynolds, PhD

12:30 p.m. - 1:30 p.m. **1419-P A1C-Based Subgroups of Type 2 Diabetes and Their Association with Microvascular Complications—Cluster Analysis of a Large Italian Cohort**
Presenting Author: Elisa Acitelli, Master's Degree

12:30 p.m. - 1:30 p.m. **1420-P Adherence to ADA SOC Guidelines for CKD in Individuals with Diabetes at an Academic Primary Care Outpatient Practice**
Presenting Author: Vishnu Rao, MD, PhD

12:30 p.m. - 1:30 p.m. **1422-P Association of Hemoglobin A1c Time in Target Range with the Risk of Renal and Cardiovascular Outcomes in People with Type 2 Diabetes**
Presenting Author: Seohyun Kim, PhD

12:30 p.m. - 1:30 p.m. **1423-P Trends and Risk Factors of Oral Health Conditions in Diabetes**
Presenting Author: You Lu, PhD

12:30 p.m. - 1:30 p.m. **1424-P The Impact of Homelessness on Diabetes-Related Chronic Kidney Disease (CKD)—A Propensity Score-Matched Analysis of CKD Risks and Outcomes in Ontario, Canada**
Presenting Author: Tucker Reed, BSc

12:30 p.m. - 1:30 p.m. **1425-P Mobility in Data-Driven Clusters of Veterans with Newly Diagnosed Diabetes**
Presenting Author: Kevin C. Ni, MD, PhD

12:30 p.m. - 1:30 p.m. **1426-P Investigating the Prevalence of Elevated Fibrosis-4 Index in Individuals with Type 1 Diabetes**
Presenting Author: Jared Friedman, MD

12:30 p.m. - 1:30 p.m. **1428-P Carbohydrate Eating—Timing, Gut Microbiome, and Cardiometabolic Disease**
Presenting Author: Yanbo Zhang, PhD

12:30 p.m. - 1:30 p.m. **1429-P Planetary Health Diet—Associations with Cardiovascular Disease and Type 2 Diabetes Risks, and Long-Term Weight Change in Women with a History of Gestational Diabetes**

Presenting Author: Xin Yin, PhD

12:30 p.m. - 1:30 p.m. **1430-P Maternal Soda Consumption during Pregnancy, Whether Sugar-Sweetened or Diet, Is Associated with Increased Cardiometabolic Risk in Offspring—The Safari Study**
Presenting Author: Sharon P. G. Fowler, PhD, MPH

12:30 p.m. - 1:30 p.m. **1431-P Sweetened Beverage Intake Is Associated with Increased Risk of Type 2 Diabetes in an Australian Population—A Longitudinal Study**
Presenting Author: Robel H. Kabthymer, MSc

12:30 p.m. - 1:30 p.m. **1432-P Lowering Food Insecurity and Improving Diabetes with Financial Incentives—A Randomized Controlled Pilot Study**
Presenting Author: Rebekah J. Walker, PhD

12:30 p.m. - 1:30 p.m. **1433-P Do Depressive Symptoms Mediate the Relation of Household Food Insecurity with Hemoglobin A1c among Youth and Young Adults with Youth-Onset Type 1 Diabetes?**
Presenting Author: Ali M. Alfalki, MPH

12:30 p.m. - 1:30 p.m. **1434-P ABO Blood Type Modifies Association of Whole Grain Intake with Diabetes—Role of Gut Microbiota and Blood Metabolites**
Presenting Author: Chengyong Jia, PhD, MBBS

12:30 p.m. - 1:30 p.m. **1435-P Improvements in Metabolic Health from Spanish-Delivered Care Are Similar to English-Delivered Care in a Carbohydrate-Restricted Nutrition Therapy Program**
Presenting Author: Alison R. Zoller, MS, RD

12:30 p.m. - 1:30 p.m. **1436-P Diet, Gut Microbiota, and Histidine Metabolism toward Imidazole Propionate Production in Relation to Type 2 Diabetes**
Presenting Author: Kai Luo, PhD

12:30 p.m. - 1:30 p.m. **1437-P Association of Dietary Vitamin E Intake with All-Cause and Cause-Specific Mortality among the U.S. Diabetic Population**
Presenting Author: Qingping Zeng, MD

12:30 p.m. - 1:30 p.m. **1438-P Examining Therapeutic Inertia in Adults with Type 2 Diabetes Mellitus—Time-to-Event Analysis**
Presenting Author: Helen N. Chen, PhD

12:30 p.m. - 1:30 p.m. **1439-P Characteristics of Insulin Prescriptions and Type 2 Diabetes Glycemic Control in Adults**
Presenting Author: Helen N. Chen, PhD

12:30 p.m. - 1:30 p.m. **1440-P Association between Type 1 Diabetes Mellitus and Incident Gastrointestinal Cancer in Korean Population—A Nationwide Retrospective Cohort Study**
Presenting Author: Dongyoung Lee, MD, PhD

12:30 p.m. - 1:30 p.m. **1441-P Influence of Diabetes Mellitus in Clinical Presentation and Outcomes of Patients with Chikungunya**
Presenting Author: Luis Otavio S. Facanha, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1442-P Global Burden of Nonalcoholic Fatty Liver Disease in Adolescents and Young Adults Aged 15–39 Years from 1990 to 2021**
Presenting Author: Xia Li, MD

12:30 p.m. - 1:30 p.m. **1443-P Rising Mortality in Alcohol Use and Diabetes Mellitus from 1999–2022—Analysis of U.S. Disparities**

Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1444-P Impact of Semaglutide Shortage in Canadian Adults and Response in a Community Endocrinology Setting (SCARCITY Study)**
Presenting Author: Akshay B. Jain, MD, FRCPC, FACE, CCD, ECNU, DABOM

12:30 p.m. - 1:30 p.m. **1445-P Suboptimal Management of Multimorbidity among Those with Diabetes in India—Findings from a Large Population Study**
Presenting Author: Sailesh Mohan, MD, MPH, PhD

12:30 p.m. - 1:30 p.m. **1446-P Combination Lipid-Lowering Therapy and the Risks of Various Types of Cancers in Patients with Type 2 Diabetes**
Presenting Author: So Hun Kim, MD, PhD

12:30 p.m. - 1:30 p.m. **1447-P Impact of the COVID-19 Pandemic on the Diabetes Prevention Program Outcomes Study (DPPOS)**
Presenting Author: Ashley H. Tjaden, MPH

12:30 p.m. - 1:30 p.m. **1448-P Predictors of Short- and Long-Term Study Retention in the Diabetes Prevention Program (DPP) Outcomes Study (DPPOS)**
Presenting Author: Ashley H. Tjaden, MPH

12:30 p.m. - 1:30 p.m. **1449-P The Physiologic Types of Type 2 Diabetes in Africans Vary by Phenotype and Affect Both Diagnostic Paradigms and Therapy—The Africans in America Study**
Presenting Author: Anne E. Sumner, MD

12:30 p.m. - 1:30 p.m. **1450-P Immigration as a Child May Be Associated with Worse Sleep Quality in Adulthood—The Africans in America Study**
Presenting Author: Anne E. Sumner, MD

12:30 p.m. - 1:30 p.m. **1451-P Association of the Spectrum of Dysglycemia with Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) and Hepatic Fibrosis**
Presenting Author: Zobair M. Younossi, MD, MPH

12:30 p.m. - 1:30 p.m. **1452-P Creating a Tool to Assess Fit for Purpose of Real-World Databases in Diabetes Research**
Presenting Author: Jonah J.C. Thomas, PhD

12:30 p.m. - 1:30 p.m. **1453-P Real-World Databases in Diabetes—A Systematic Review to Identify and Describe All Large Databases Available Globally**
Presenting Author: Jonah J.C. Thomas, PhD

12:30 p.m. - 1:30 p.m. **1454-P Disentangling the Multifactorial Influences on Diabetes Risk among Rural Communities—The Food Environment, Diet Quality, and Dietary Chemical Exposures**
Presenting Author: Tammy A. Flores, BA

12:30 p.m. - 1:30 p.m. **1455-P Urbanicity and Disparities in Type 2 Diabetes—Statewide Prevalence Using an Electronic Health Record Consortium, 2020–2023**
Presenting Author: Sagar B. Dugani, MD, PhD, MPH

12:30 p.m. - 1:30 p.m. **1456-P Clinical Course of Incident Diabetes in American Indian and Alaska Native People following COVID-19 Illness**
Presenting Author: James Keck, MD, MPH

12:30 p.m. - 1:30 p.m. **1457-P Visceral Adiposity Does Not Explain Increased Rates of Diabetes among Asian, Black, and Hispanic Individuals—A Cross-Sectional Analysis of NHANES 2011-2018**
Presenting Author: Leah S. Alemu, MD

12:30 p.m. - 1:30 p.m. **1458-P The Relationship between Insulin Resistance Indices and Hypothyroidism among 10 Million Chinese Adults**
Presenting Author: Dan Shen, MPH

12:30 p.m. - 1:30 p.m. **1459-P Impact of Endocrine Adjuvant Therapy for Breast Cancer on Diabetes Risk—A Population-Based Study**
Presenting Author: Kalpana Muthusamy, MBBS MD

12:30 p.m. - 1:30 p.m. **1460-P Sex-Specific Patterns of Glycemic Control Deterioration—A Faster Decline among Women with Type 2 Diabetes in Malaysia**
Presenting Author: Swee Hung Ang, MPH

12:30 p.m. - 1:30 p.m. **1461-P Baseline MicroRNA Expression Phenotypes Show Different Associations with Time to Type 2 Diabetes in Participants Receiving Metformin and Intensive Lifestyle Intervention in the Diabetes Prevention Program**
Presenting Author: Benjamin M. Stroebel, MPH

12:30 p.m. - 1:30 p.m. **1462-P Development and Validation of a Mortality Risk Prediction Model Using Large-Scale Data from 900,000 Korean Older Adults with Diabetes**
Presenting Author: Hyeonjin Yu, MD

12:30 p.m. - 1:30 p.m. **1463-P Comparing Different Metrics for Analyzing the Rural Food Environment and Their Associations with Diabetes, High BMI, and Poor Diet Quality**
Presenting Author: Jessica Gjonaj, BA

12:30 p.m. - 1:30 p.m. **1464-P Remission with and without Drug Treatment for Diabetes**
Presenting Author: Sachiko Takizawa, MD

12:30 p.m. - 1:30 p.m. **1465-P Metabolomic Insights into Sex Disparity in the Link between Alcohol Consumption and Type 2 Diabetes**
Presenting Author: Brian Wang, .

12:30 p.m. - 1:30 p.m. **1466-P Childhood Exposure to Interparental Intimate Partner Violence and the Risk of Adult Diabetes—A Prospective Cohort Study**
Presenting Author: Jinqi Wang, PhD

12:30 p.m. - 1:30 p.m. **1467-P Examining the Association between Prediabetes and Mortality—The Role of Patient Profiles in Risk Prediction**
Presenting Author: Obinna I. Ekwunife, PhD

12:30 p.m. - 1:30 p.m. **1468-P Targeted Diabetes Interventions Needed Amid Rising Mortality—Trends and Disparities in the United States (2000–2020)**
Presenting Author: Perisa Ashar, .

12:30 p.m. - 1:30 p.m. **1469-P Risk of Diabetic Ketoacidosis in SGLT2i vs. GLP-1RA Initiators with Chronic Kidney Disease Stage 3–4 and Type 2 Diabetes**
Presenting Author: Panupong Hansrivijit, MD

12:30 p.m. - 1:30 p.m. **1470-P Bidirectional Relationship between Diabetes Distress and Glycemic Control in Type 1 Diabetes—A Longitudinal Analysis in SFDT1**
Presenting Author: Dulce Canha, MSc

12:30 p.m. - 1:30 p.m. **1471-P Impact of SGLT2 Inhibitors with ARB or ACE Inhibitors on Cardiorenal Outcomes in Type 2 Diabetes without Preexisting Cardiovascular or Renal Disease**
Presenting Author: Young-eun Kim, MD, PhD

12:30 p.m. - 1:30 p.m. **1472-P Association of Pancreas Volume with Adverse Clinical Outcomes**

Presenting Author: Philip Thomas, DO

12:30 p.m. - 1:30 p.m. **1473-P Variability in Objective Sleep Duration Associates with Gut Microbiota Composition and Metabolic Parameters—A Metagenomic Analysis in Healthy Subjects in a Community Study**

Presenting Author: Suyi Xie, PhD

12:30 p.m. - 1:30 p.m. **1474-P Urinary Microbiome Differences in Postmenopausal Women with Type 2 Diabetes Mellitus**

Presenting Author: Ujjaini Basu, BS

12:30 p.m. - 1:30 p.m. **1475-P Proteome-Wide Interaction Study of Circulating Proteins with APOE ε4 Genotypes for Diabetes Risk—A Prospective Cohort Study**

Presenting Author: Chengzhe Tao, PhD candidate

12:30 p.m. - 1:30 p.m. **1476-P Diabetes Disparities in Sexual and Gender Minorities—A Call for Tailored Clinical Strategies**

Presenting Author: John A. McNeil, BS, MS

12:30 p.m. - 1:30 p.m. **1477-P Ethnic Disparities in the Prevalence of Diabetes and Prediabetes in Australia—A Systematic Review and Meta-analysis**

Presenting Author: Ngozika E. Ezinne, MSc

12:30 p.m. - 1:30 p.m. **1478-P Incidence and Glucose Trends among Patients with Acute Stroke and Stress Hyperglycemia—Insights from a Descriptive Analysis**

Presenting Author: Isabella Dunn, MD Candidate

12:30 p.m. - 1:30 p.m. **1481-P Impaired Fasting Glycaemia as a Potential Biomarker in Cutaneous Malignant Melanoma**

Presenting Author: Livio Luzi, MD

12:30 p.m. - 1:30 p.m. **1482-P Arsenic-Related DNA Methylation and Incident Type 2 Diabetes in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Presenting Author: Xiang Li, MD, PhD

12:30 p.m. - 1:30 p.m. **1483-P Association of Ethnicity and Diabetes with Elevated Lipoprotein(a) Levels in a Cross-Sectional Study of Adults in Kuwait**

Presenting Author: Mohammad Qaddoumi, PhD

12:30 p.m. - 1:30 p.m. **1484-P Association between *Porphyromonas gingivalis* II and Diabetes, Poor Glycemic Control, and Hypertension**

Presenting Author: Kazuya Fujihara, MD, PhD

12:30 p.m. - 1:30 p.m. **1485-P Cause-Specific Mortality over 34 Years among Chinese with Newly Diagnosed Diabetes in Da Qing, China**

Presenting Author: Yali An, Doctor

12:30 p.m. - 1:30 p.m. **1486-P Control of the Cardiovascular Risk Factors in Patients with Type 2 Diabetes Mellitus in China—Results from iCaReMe China Registry**

Presenting Author: Wenjia Yang, MD

12:30 p.m. - 1:30 p.m. **1487-P Use of GLP-1 Receptor Agonists among Medicare Beneficiaries with Diabetes, 2017–2021**

Presenting Author: Linda J. Andes, PhD

12:30 p.m. - 1:30 p.m. **1488-P Indicators of Diabetes Remission in Six Integrated Health Care Systems—A Retrospective Cohort Study**
Presenting Author: Luis A. Rodriguez, PHD, MPH, RD

12:30 p.m. - 1:30 p.m. **1489-P Associations between the Cardiovascular-Kidney-Metabolic Syndrome and Metabolic Dysfunction–Associated Steatotic Liver Diseasein U.S. and Chinese Populations**
Presenting Author: Heng Wan, MD

12:30 p.m. - 1:30 p.m. **1490-P T2DM Prevalence in Sexual Minorities Using EMR Data from a Single Health System**
Presenting Author: Simren Mahajan, BA

12:30 p.m. - 1:30 p.m. **1491-P Insights from 1,062 Clinicians—Evaluating the Efficacy and Clinical Utility of Empagliflozin-Linagliptin Combination Therapy in T2DM Management**
Presenting Author: Shankha S. Sen, MD

12:30 p.m. - 1:30 p.m. **1492-P Association of Obese Status and Low-Density Lipoprotein Cholesterol Target Achievement with All-Cause Mortaltiy Risk among Statin Users Aged 75 and Older According to Body Mass Index**
Presenting Author: Mi Hae Seo, Associate Professor

12:30 p.m. - 1:30 p.m. **1493-P The Relationship between Bone Fractures and Diabetes in Solid Organ Transplant Recipients**
Presenting Author: Abhishek Kansara, MBBS, MPH

12:30 p.m. - 1:30 p.m. **1494-P HLA Genotyping of Immune Checkpoint Inhibitor–Associated Diabetes—A Retrospective Case Series Analysis**
Presenting Author: Ping Jin, Doctor

12:30 p.m. - 1:30 p.m. **1495-P Improved A1C in People with Non–Insulin-Treated T2D Using CGM in Primary Care—The Dexcom Global Registry**
Presenting Author: Amir Herman, DO

12:30 p.m. - 1:30 p.m. **1496-P Neighborhood Vulnerability and Participation of Men in a Virtual Diabetes Prevention Program in New York City**
Presenting Author: Katelyn Diaz, BA

12:30 p.m. - 1:30 p.m. **1497-P The Rise and Fall of Diabetes Mortality—U.S. Trends across Five Decades (1968–2022)**
Presenting Author: Muhammad Usman Haider, MD

12:30 p.m. - 1:30 p.m. **1498-P Iron, Iron Overload Genes, and Diabetes Risk in African Americans**
Presenting Author: Rebecca B. Conway, PhD

12:30 p.m. - 1:30 p.m. **1499-P Diabetes Technology Use and Acute Complications in Type 1 Diabetes—Racial Disparities Still Persist**
Presenting Author: Rebecca B. Conway, PhD

12:30 p.m. - 1:30 p.m. **1500-P Global Trends in Mortality and Disability Adjusted Life Years (DALYs) of Type 1 Diabetes Mellitus in Adolescents and Young Adults (15–39y) from 1990 to 2021**
Presenting Author: Muhammad Usman Haider, MD

12:30 p.m. - 1:30 p.m. **1501-P Association of Unmet Health-Related Social Needs with Glycated Hemoglobin and Health Care Utilization among Youth and Young Adults with Youth-Onset Type 1 Diabetes**

Presenting Author: Emmanuel F. Julceus, MD, MPH

12:30 p.m. - 1:30 p.m. **1502-P National Trends in Mortality of Type 1 Diabetes Mellitus among Adolescents and Young Adults (15–39y) across 204 Countries (1990–2021)**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1503-P National Trends in Disability Adjusted Life Years (DALYs) of Type 1 Diabetes Mellitus among Adolescents and Young Adults (15–39y) across 204 Countries (1990–2021)**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1504-P National Trends in Incidence of Type 1 Diabetes Mellitus among Adolescents and Young Adults (15–39y) across 204 Countries (1990–2021)**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1505-P National Trends in Prevalence of Type 1 Diabetes Mellitus among Adolescents and Young Adults (15–39y) across 204 Countries (1990–2021)**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1506-P An IA-2 Autoantibody Variant Predicts Stage Transitions in Type 1 Diabetes**
Presenting Author: Craig Beam, PhD

12:30 p.m. - 1:30 p.m. **1507-P Age and Sampling Times Significantly Affect Autoantibody Measurement in Stage 3 Type 1 Diabetes**
Presenting Author: Craig Beam, PhD

12:30 p.m. - 1:30 p.m. **1508-P Longitudinal Autoantibody Variation in Stage 3 Type 1 Diabetes**
Presenting Author: Craig Beam, PhD

12:30 p.m. - 1:30 p.m. **1509-P Association between Autoimmune Diseases and Development of Autoimmune Type 1 Diabetes (T1D)—A Targeted Literature Review (TLR)**
Presenting Author: Laura Wilson, PharmD

12:30 p.m. - 1:30 p.m. **1510-P An Insulin Secretion Independent Fraction of Glucose Obscures Associations of Age and BMI with Glucose in Autoantibody-Positive (Ab+) Individuals**
Presenting Author: Brandon M. Nathan, MD

12:30 p.m. - 1:30 p.m. **1511-P In Canadian Adults Living with Type 1 Diabetes, Additional Autoimmune Diseases Are Associated with More Chronic Complications and Depression**
Presenting Author: Cassandra A. A. Locatelli, BSc

12:30 p.m. - 1:30 p.m. **1512-P Global, Regional, Age-Specific, and Sex-Specific Trends in the Prevalence of Overweight or Obesity in Type 1 Diabetes from 1980–2020—A Meta-analysis of 79 Observational Studies with 746,746 Patients**
Presenting Author: Yuchen Guo, MD

12:30 p.m. - 1:30 p.m. **1513-P A Qualitative Analysis of Barriers to Diabetes Technology Use and Management in Type 1 Diabetes**
Presenting Author: Kelly Valdez, BS, BA

12:30 p.m. - 1:30 p.m. **1514-P Presentation of Diabetic Ketoacidosis (DKA) at the Time of Diagnosis of Type 1 Diabetes Mellitus (T1DM) by Race and Ethnicity in a Large Integrated Health Care System**
Presenting Author: Satish Mudiganti, MS

12:30 p.m. - 1:30 p.m. **1515-P Epidemiological Trends and Future Projections of Type 1 Diabetes Mellitus Burden in China—1990–2036**
Presenting Author: Shiwei Liu, PhD

12:30 p.m. - 1:30 p.m. **1516-P EMR-Based Insights Into T1D Screening Patient Volume**
Presenting Author: Aye H. Khine, MD

12:30 p.m. - 1:30 p.m. **1517-P Higher Risk of Noncardiovascular Death in a Population-Based Cohort of Type 1 Diabetes**
Presenting Author: Leidy Plaza Enriquez, MD

12:30 p.m. - 1:30 p.m. **1518-P Polycystic Ovary Syndrome (PCOS) and Arterial Stiffness (AS) in Youth with Type 1 Diabetes (T1D) in the SEARCH for Diabetes in Youth Cohort**
Presenting Author: Catherine Kim, MD, MPH

12:30 p.m. - 1:30 p.m. **1519-P Predictors for Timing of Insulin Pump Initiation among Individuals with Type 1 Diabetes in Ontario, Canada**
Presenting Author: Xi Zhu, BS

12:30 p.m. - 1:30 p.m. **1520-P A Retrospective Observational Study Characterizing People with Type 1 Diabetes Using CGM in a Linked Electronic Health Record—Continuous Glucose Monitoring Dataset**
Presenting Author: Rebecca L. Molinsky, PhD, MPH

12:30 p.m. - 1:30 p.m. **1521-P Risk Factors for Diabetic Ketoacidosis at Diagnosis of Type 1 Diabetes in Wisconsin Youth**
Presenting Author: Ihsan M. Rizky, BA

12:30 p.m. - 1:30 p.m. **1522-P Integrating Transcriptome of Human Pancreatic Cells and Spatial Tissue Architecture during Type 1 Diabetes Progression at Single-Cell Resolution**
Presenting Author: Thomas S.R. Bate, MEng Mechanical Engineering, PhD Bioengineering

12:30 p.m. - 1:30 p.m. **1523-P Risk Profiles and Characteristics of Relatives of People with Type 1 Diabetes (T1D) with Single Autoantibody (SAB) Reversion**
Presenting Author: Heba M. Ismail, MB, BCh, PhD

12:30 p.m. - 1:30 p.m. **1524-P The Progression of 2-Hour Glucose (2hGLU) to Impaired Glucose Tolerance (IGT) and Its Reversion in Antibody-Positive (Ab+) Individuals**
Presenting Author: Heba M. Ismail, MB, BCh, PhD

12:30 p.m. - 1:30 p.m. **1546-P Cardiovascular Adverse Events and Mortality in Patients with Immune Checkpoint Inhibitor–Associated Diabetes Mellitus- A 10-Year Follow-up Study**
Presenting Author: Shafaq Raza Rizvi, MBBS

12:30 p.m. - 1:30 p.m. **1547-P Effects of Histone Modifications in Diabetes-Complicated Periodontal Tissues**
Presenting Author: Kento Kojima, DDS

12:30 p.m. - 1:30 p.m. **1548-P Carnosine-Mediated Amelioration of Inflammation in Type 2 Diabetes**
Presenting Author: Joshua N. Awoke, BSc, MSc

12:30 p.m. - 1:30 p.m. **1549-P Reprogramming Regulatory T Cells as a Strategy to Rescue Obesity-Driven Insulin Resistance and Fatty Liver Disease**
Presenting Author: Dharti Shantaram, MSc, PhD

12:30 p.m. - 1:30 p.m. **1551-P Exploring Islet Autoantibody Positivity and β-Cell Function after Total Pancreatectomy with Islet Auto Transplantation**
Presenting Author: Oneza Kothawala, MBBS

12:30 p.m. - 1:30 p.m. **1552-P The Role of PPARα in Modulating Macrophage Polarization during Periodontitis in Diabetes**
Presenting Author: Arthur Hu, BS

12:30 p.m. - 1:30 p.m. **1553-P Hyperglycemia Is Associated with Reduced Monocyte Mitochondrial ATP Production in People with Type 2 Diabetes and Foot Ulcers**
Presenting Author: Nazanin Soleimanmanesh, MD

12:30 p.m. - 1:30 p.m. **1554-P Phenotype and Clonality of Fat-Derived CD8 T Cells in Patients with Type 1 Diabetes**
Presenting Author: Alessandra Petrelli, MD, PhD

12:30 p.m. - 1:30 p.m. **1555-P High Maternal Dietary Omega-6–to–Omega-3 Fatty Acid Ratios Predispose Offspring Adipose Tissue to Inflammation by Shifting Macrophages Away from Resolving Phenotypes**
Presenting Author: Kaitlyn B. Hill, BS

12:30 p.m. - 1:30 p.m. **1556-P Continual Collection of Conditioned Medium from Quiescent Adipose Tissue–Derived Stromal Cells Embedded in Gels to Supply Materials to Enhance Wound Healing in Diabetic Mice**
Presenting Author: Makoto Funaki, MD, PhD

12:30 p.m. - 1:30 p.m. **1557-P High Anti–Glutamic Acid Decarboxylase Autoantibody Titers May Be Associated with High Disease Activity in Latent Autoimmune Diabetes in Adults**
Presenting Author: Akifumi Haisa, MD

12:30 p.m. - 1:30 p.m. **1558-P Immunological Role of Hybrid Insulin Peptide in Type 1 Diabetes in Asia**
Presenting Author: Yoichi Oikawa, MD, PhD

12:30 p.m. - 1:30 p.m. **1560-P Etiology of Exocrine Enzyme Elevation in Ketosis-Prone Type 2 Diabetes and Type 1 Diabetes**
Presenting Author: Akira Shimada, MD, PhD

12:30 p.m. - 1:30 p.m. **1561-P Butyrate and Secondary Bile Acids–Producing Gut Microbes Reduce Insulitis in NOD Mice**
Presenting Author: Keiichiro Mine, PhD

12:30 p.m. - 1:30 p.m. **1562-P Helios+CD8 T Memory Cells, Enriched in Islet-Specific Cells of T1D Fast Progressors, Express Low Levels of CD2 and Inflammatory Cytokines**
Presenting Author: Karthik Myneni, MS

12:30 p.m. - 1:30 p.m. **1563-P Emergence of Inflammatory Endotypes in Type 2 Diabetes—From Diagnosis to Complications**
Presenting Author: Bao Tran Vuong, MD, MSc

12:30 p.m. - 1:30 p.m. **1564-P Investigation of the Efficacy of Oral 5-Aminolevulinic Acid Administration in Preventing Autoimmune Diabetes**
Presenting Author: Shinpei Nishikido, BMed

12:30 p.m. - 1:30 p.m. **1565-P Hierarchically Structured Vascularized Hydrogel for Glycemic Control via Minimally Invasive Islet Transplantation**

Presenting Author: Zhikun Huan, PhD student

12:30 p.m. - 1:30 p.m. **1566-P Dysglycemia Impairs the Protective Function of Pancreatic Islet-Intrinsic Mesenchymal Stem Cells and Accelerates β-Cell Failure That Can Be Repaired by Healthy Mesenchymal Stem Cells in Neo-islets**

Presenting Author: Christof Westenfelder, MD

12:30 p.m. - 1:30 p.m. **1567-P Selecting Lipid Nanoparticles for Transfection of Islets of Langerhans Cells**

Presenting Author: József Répási, PhD

12:30 p.m. - 1:30 p.m. **1569-P The Semaphorin Receptor PlexinA1 Is Essential for the Sympathetic Innervation of Brown Adipose Tissue**

Presenting Author: Benji Frank, MSc

12:30 p.m. - 1:30 p.m. **1570-P COP9 Signalosome Is Required for Adipose Tissue Maintenance and Metabolic Health**

Presenting Author: Weiqin Chen, PhD

12:30 p.m. - 1:30 p.m. **1571-P Ligands for Receptor for Advanced Glycation Endproducts (RAGE) Increased the Expression of IL-6 and CCL2 in Adipocytes**

Presenting Author: Shin Takasawa, MD, PhD

12:30 p.m. - 1:30 p.m. **1572-P MyD88 Inhibition Reverses Diabetes-Induced Liver Inflammation/Glucogneogenesis through IL-10**

Presenting Author: Lee-Wei Chen, MD

12:30 p.m. - 1:30 p.m. **1573-P Optimized Workflow to Assess Metabolic Profile during Adipocyte Differentiation**

Presenting Author: Guoxiao Wang, PhD

12:30 p.m. - 1:30 p.m. **1574-P Loss of Slit3 in Adipocyte Progenitors Impairs Brown Adipose Tissue Function and Systemic Metabolism**

Presenting Author: Heidi E. Cervantes, MSc Biology

12:30 p.m. - 1:30 p.m. **1575-P Subcutaneous White Adipocytes Size Evaluation Software in Obese Bariatric Patients in East Romania Center**

Presenting Author: Ioana Hristov, MD PhD

12:30 p.m. - 1:30 p.m. **1576-P Neutral Sphingomyelinase 2 (nSMase2) Regulates Insulin Synthesis, Secretion, and Glucose Sensing**

Presenting Author: Jerry Xu, PhD

12:30 p.m. - 1:30 p.m. **1578-P Circulating Mitochondrial DNA Provides a Novel Biomarker for Hyperinsulinemia and Disease Severity in Type 2 Diabetes**

Presenting Author: Robert L. Thomas, MD PhD

12:30 p.m. - 1:30 p.m. **1579-P Conceptual Framework for Understanding the Association between Type 2 Diabetes Mellitus and Alzheimer's Disease Risks in African Americans**

Presenting Author: Jasneet Sahota, BS

12:30 p.m. - 1:30 p.m. **1580-P Bedtime NPH Insulin Reduced the Expression of Serum miRNAs Related to Insulin Resistance in Comparison to DPP-4 Inhibitor Sitagliptin in Patients with T2DM**

Presenting Author: Aritania S. Santos, PhD

12:30 p.m. - 1:30 p.m. **1581-P Comparison of Digital Biomarkers for Insulin Resistance and Fatty Liver Scores in Predicting Incident Fatty Liver and Type 2 Diabetes**

Presenting Author: Chia-lin Lee, MD, PhD

12:30 p.m. - 1:30 p.m. **1582-P The Association between New Insulin Resistance Indices and All-Cause Mortality in Elderly DM Patients**

Presenting Author: Yanling Yang, Master's Degree

12:30 p.m. - 1:30 p.m. **1583-P Loss of IFNgamma Signaling in Kupffer Cells Rescues Liver Insulin Resistance in Diet-Induced Obese Male and Female Mice**

Presenting Author: Muhammad Sajid, PhD

12:30 p.m. - 1:30 p.m. **1584-P Euglycemic Hyperinsulinemic Clamps Reveal Lower Insulin Sensitivity in Type 1 Diabetes Adults with vs. without Nephropathy**

Presenting Author: Andrzej S. Januszewski, MD, PhD, MClinTRes

12:30 p.m. - 1:30 p.m. **1585-P Insulin Phenolic Preservatives Initiate NETosis and Amplify the Inflammatory Response**

Presenting Author: Jean G. de Souza, PhD

12:30 p.m. - 1:30 p.m. **1586-P Positive Correlation of Markers of Insulin Resistance and Nasal Turbinate Vasodilation**

Presenting Author: William T. Phillips, MD

12:30 p.m. - 1:30 p.m. **1587-P Effects of Insulin Resistance in Different Insulin Signaling Pathways on Endothelial Function—Lipodystrophy Compared with Pathogenic Variants of the Insulin Receptor**

Presenting Author: Frances D. Rodriguez-Ramos, BS

12:30 p.m. - 1:30 p.m. **1588-P Sex-Specific Differences in Metabolic Responses to Lipid Infusion—Insights Into Insulin Resistance Mechanisms**

Presenting Author: Thomas H. Fleming, PhD

SATURDAY, JUNE 21, 2025

12:30 p.m. - 1:30 p.m.

Session Break

Session Number: SB-01

Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

Room:

12:30 p.m. - 1:30 p.m.	**Session Break (Take this opportunity to visit the Exhibit and Poster Halls)**

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR07-1.5

Emerging Biomarkers and Trajectories of ASCVD Risk Progression (With ADA Presidents' Select Abstract Presentation)

Room: W184 A-D

Chair(s): Cecilia C C. Low Wang, MD, FACP

1:30 p.m. - 1:45 p.m. **145- OR ADA Presidents' Select Abstract: Association of Age at Type 1 Diabetes Diagnosis with Fatal Cardiovascular and Kidney Events**
Presenting Author: Naveed Sattar, MD, PhD

1:45 p.m. - 2:00 p.m. **146-OR Understanding Early Disease Trajectories and Their Relationship to Microvascular Complications**
Presenting Author: Sanjay K. Singla, MBBS, MD

2:00 p.m. - 2:15 p.m. **147-OR Association of Body Mass Index and Time in Target Range with All-Cause and Cardiovascular Mortality in Adults with Type 2 Diabetes**
Presenting Author: Yuqian Bao, MD

2:15 p.m. - 2:30 p.m. **148-OR People with Type 2 Diabetes Are at Greater Risk for Liver Fibrosis after Recent Myocardial Infarction**
Presenting Author: Clara Möser, MD

2:30 p.m. - 2:45 p.m. **149-OR Integrative AI-Based Risk Score for Cardiometabolic Diseases—Comparing Cardiovascular Risk Prediction to the Framingham Score**
Presenting Author: Tumalisi Julaiti, BM

2:45 p.m. - 3:00 p.m. **150-OR Elevated Anti-NFKBIB Autoantibodies as a Novel Biomarker for Cardiovascular Disease in HLA-Positive Patients and Autoimmune Diabetes**
Presenting Author: Kyoungmin Park, PhD

Responsible Committee Member(s): Rita Rastogi Kalyani

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR15-1.5

Leveraging Technology and Access to Improve Diabetic Foot Care (With Roger Pecoraro Award Lecture)

Room: W181 A-C

Chair(s): Peter A. Crisologo, DPM, FFPM RCPS (Glasg)

2:00 p.m. - 2:15 p.m. **151- OR Comparison of WBC SPECT/CT and MRI in Diagnosis and Treatment Response of Diabetic Foot Osteomyelitis Using Paired Biopsies as Reference Standard**
Presenting Author: Amber Sherwood, BS

2:15 p.m. - 2:30 p.m. **152-OR Public Transit Access and Limb Loss in Atlanta, GA**
Presenting Author: Marcos Schechter, MD

2:30 p.m. - 2:45 p.m. **153-OR Impact of Three-Month Continuous Glucose Monitoring Program on Glycemic Control and Diabetic Foot Wound Healing within a Safety-Net Health System**
Presenting Author: Felona Gunawan, MD

2:45 p.m. - 3:00 p.m. **154-OR Combined Point-of-Care Devices, DPN-Check and Sudoscan, Diagnose Early DPN and Predict Diabetic Foot Ulceration**
Presenting Author: Mohummad Shaan Goonoo, MBBS, MRCPE

Responsible Committee Member(s): Amanda Killeen

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR08-1.5

Advancing Diabetes Care through Technology—Insights from CGM Systems, Automated Insulin Delivery, and Digital Engagement (With Richard R. Rubin Award Lecture)

Room: W185 A-D

Chair(s): Elizabeth A. Beverly, PhD

2:00 p.m. - 2:15 p.m. **155- OR Reduced Perceived Diabetes Distress with the Omnipod 5 Automated Insulin Delivery (AID) System in Adults with Type 2 Diabetes (T2D)—Analysis of the SECURE-T2D Study**

Presenting Author: Kristin N. Castorino, DO

2:15 p.m. - 2:30 p.m. **156-OR Single-Device Glucose Sensing and Insulin Delivery—Patient-Reported Outcomes**

Presenting Author: Katharine Barnard-Kelly, PhD

2:30 p.m. - 2:45 p.m. **157-OR Higher Engagement with a Digital DSMES + CGM Program Is Associated with More Robust Improvements in Glycemic Control**

Presenting Author: Jeanean B. Naqvi, PhD

2:45 p.m. - 3:00 p.m. **158-OR Primary Metabolic Outcomes from a Pilot CGM-Behavioral Intervention among Racially Minoritized Youth with T1D**

Presenting Author: Emma Straton, BA

Responsible Committee Member(s): Elizabeth Beverly

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR01-1.5

So Long Prediabetes and Its Complications! (With ADA Presidents' Select Abstract Presentation)

Room: W186 A-C

Chair(s): Sonia Butalia, BSc, MD, FRCPC, MSc (epi)

1:30 p.m. - 1:45 p.m.	**159- OR ADA Presidents' Select Abstract: Heterogeneous Treatment Effects of the VA MOVE! Weight Management Program in Preventing Type 2 Diabetes** Presenting Author: Qiaochu Xue, PhD, MPH
1:45 p.m. - 2:00 p.m.	**160-OR Assessing the Real-World Effectiveness of the VA MOVE! Lifestyle Program in Preventing Type 2 Diabetes—A 15-Year Follow-up Study** Presenting Author: Piaopiao Li, MSc
2:00 p.m. - 2:15 p.m.	**161-OR Prediabetes Remission and Cardiovascular Mortality and Morbidity** Presenting Author: Andreas L. Birkenfeld, MD, PhD
2:15 p.m. - 2:30 p.m.	**162-OR Beta-Cell Preservation with Early Oral Antidiabetic Medications in Prediabetes (PreDM)** Presenting Author: Alberto Chavez, MD
2:30 p.m. - 2:45 p.m.	**163-OR Early vs. Late Prediabetes Remission during Lifestyle Intervention Is Relevant for Type 2 Diabetes Prevention** Presenting Author: Arvid Sandforth, MD
2:45 p.m. - 3:00 p.m.	**164-OR A Phase 3 Evaluation of CAMP-Biased GLP-1 Analog Ecnoglutide in Adults with Overweight or Obesity** Presenting Author: Linong Ji, MD

Responsible Committee Member(s): Rajesh Garg and Leigh Perreault

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR07-1.5

What's New with Interpretation of CGM Metrics and Relationship to A1C, eA1C and GMI?

Room: W187 A-C

Chair(s): Halis K. Akturk, MD

1:30 p.m. - 1:45 p.m. **165- OR Improving A1C and CGM Average Glucose Alignment—The Updated Glucose Management Indicator (GMI)**
Presenting Author: Richard M. Bergenstal, MD

1:45 p.m. - 2:00 p.m. **166-OR Mean RBC Age (M_{RBC}) Variation Accounts for the Predominance of Mismatch (MM) between Measured HbA1c (mA1c) and CGM-Derived Estimated HbA1c (eA1c)**
Presenting Author: Robert M. Cohen, MD

2:00 p.m. - 2:15 p.m. **167-OR Personalized A1C Enhances Clinical Decision Making by Improving Agreement between A1C and GMI**
Presenting Author: Ramzi Ajjan, MD, PhD, FRCP, MMedSci

2:15 p.m. - 2:30 p.m. **168-OR Evolution of CGM Patterns prior to Stage 3 T1D**
Presenting Author: Brigitte I. Frohnert, MD, PhD

2:30 p.m. - 2:45 p.m. **169-OR Association between 5,766 Different CGM Ranges and A1C in Comparison to Time in 70–180 mg/dl and Time in 70–140 mg/dl Ranges**
Presenting Author: Kagan E. Karakus, MD

2:45 p.m. - 3:00 p.m. **170-OR Evaluating the Impact of Type 1 Diabetes Interventions on A1C and GMI across Glycemic Categories**
Presenting Author: Eslam Montaser, PhD

Responsible Committee Member(s): Halis Akturk, Natalie Bellini, and Priya Prahalad

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR12-1.5

The Cost Chiasm—Therapeutics, Technologies, and Care (With ADA Presidents' Select Abstract Presentation)

Room: W183 A

Chair(s): James Chamberlain, MD

1:30 p.m. - 1:45 p.m.	**171- OR ADA Presidents' Select Abstract: The Hidden Inequity—Disparities and Barriers in Access to Diabetes Technology Free at the Point of Access** Presenting Author: Dulmini Kariyawasam, MBBS, MSc, FRCP(UK)
1:45 p.m. - 2:00 p.m.	**172-OR Long-Term Cost-Effectiveness of Using Glucagon-Like Peptide 1 Receptor Agonists (GLP-1RAs) for Preventing Type 2 Diabetes (T2D) in U.S. Adults with Prediabetes and Obesity—A Simulation Study** Presenting Author: Shichao Tang, PhD
2:00 p.m. - 2:15 p.m.	**173-OR Eligibility, Impact, and Costs for Tirzepatide for the Primary Prevention of Diabetes Mellitus** Presenting Author: Jay B. Lusk, MD, MBA
2:15 p.m. - 2:30 p.m.	**174-OR Health Care Financial Hardship and Unaffordability among U.S. Adults with Diabetes** Presenting Author: Xilin Zhou, .
2:30 p.m. - 2:45 p.m.	**175-OR Disparities in New Glucose-Lowering Drug Spending in U.S. Adults with Type 2 Diabetes (T2D), 2018–2022** Presenting Author: Ping Zhang, PhD
2:45 p.m. - 3:00 p.m.	**176-OR The Effect of Medicaid Expansion on Diagnosis, Care, Treatment, and Health for Diabetic Patients—Evidence from Medicaid Expansion in Wisconsin** Presenting Author: Sadia Farzana, PhD

Responsible Committee Member(s): Amisha Wallia

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR18-1.5

New Approaches to Detect and Monitor Diabetes in Pregnancy

Room: W180

Chair(s): Christina M. Scifres, MD

1:30 p.m. - 1:45 p.m.	**177- OR Hyperglycemia Threshold Associated with Adverse Pregnancy Outcomes in Gestational Diabetes Mellitus** Presenting Author: Guiling Liang, MD
1:45 p.m. - 2:00 p.m.	**178-OR Sensitivity of Different Screening Approaches for Early Hyperglycemia in Pregnancy** Presenting Author: David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)
2:00 p.m. - 2:15 p.m.	**179-OR Investigation of the Triglyceride–Glucose Index as a Marker of Metabolic Dysfunction during Late Pregnancy** Presenting Author: John M. Mills, BS
2:15 p.m. - 2:30 p.m.	**180-OR CGM in Early Gestational Diabetes Improves Maternal Glycemic Control and Neonatal Outcomes—The Steady Sugar Trial** Presenting Author: Karen E. Elkind-Hirsch, MSc, PhD
2:30 p.m. - 2:45 p.m.	**181-OR Time in Range (TIR) Extrapolated from Self-Monitoring of Blood Glucose (SMBG) and Risk for Adverse Perinatal Outcomes in Pregnancies Complicated by T1DM** Presenting Author: Rafaela A. Costa, MD, PhD
2:45 p.m. - 3:00 p.m.	**182-OR Serum Metabolomic Profiles Link History of Gestational Diabetes Mellitus to Increased Type 2 Diabetes Risk in U.S. Hispanic/Latino Women** Presenting Author: Yi Wang, PhD

Responsible Committee Member(s): Camille Powe

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY35-1.5

Diabetes and Peripheral Artery Disease—Evolving Role of GLP-1 RA and New Insights from the STRIDE Trial

Room: W375 A

1:45 p.m. - 2:00 p.m.	**Rationale and Key Results from STRIDE Trial** Subodh Verma, MD, PhD, FRCSC
2:00 p.m. - 2:15 p.m.	**Glycemic Indices and PAD Outcomes in STRIDE—New Analysis** Neda Rasouli, MD
2:15 p.m. - 2:30 p.m.	**Clinical Implications of STRIDE for Endocrinologists** Alice Y. Y. Cheng, MD, FRCPC
2:30 p.m. - 3:00 p.m.	**Question & Discussion Period**

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Panel Discussion

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY37-1.5

Implementing Improvements in Care Delivery

Room: W183 BC

Chair(s): Osagie Ebekozien, MD, MPH

1:30 p.m. - 1:50 p.m.	**Reducing Obesity Bias and Stigma in Primary Care** Jack Westfall, MD, MPH
1:50 p.m. - 2:10 p.m.	**Pharmacy Support in Primary Care** Sandra Leal, PharmD, MPH, FAPhA, CDCES
2:10 p.m. - 2:30 p.m.	**Driving Equity and Quality in Diabetes Technology** Manmohan K. Kamboj, MD
2:30 p.m. - 3:00 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

ePoster Theater

Theme Area: Obesity/Integrated Physiology

Session Number: ePoster05

Next Generation Efforts to Prevent Obesity and Type 2 Diabetes

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Ildiko Lingvay, MD, MPH, MSCS

1:30 p.m. - 1:40 p.m.	**Real-World Effectiveness of the Diabetes Prevention Program—Insights from the REALITY Research Network** Presenting Author: Tannaz Moin, MD, MBA, MSHS
1:40 p.m. - 1:50 p.m.	**Effects of a 6-Month Lifestyle Intervention for Type 2 Diabetes Featuring Intermittent Energy Restriction or Time-Restricted Eating on Glucose Tolerance and Body Weight** Presenting Author: Felicia Steger, PhD, RD
1:50 p.m. - 2:00 p.m.	**Efficacy and Safety of Semaglutide 7.2 mg in Obesity—STEP UP Trial** Presenting Author: Sean Wharton, MD, PharmD
2:00 p.m. - 2:10 p.m.	**Effects of Exposure to Gestational Diabetes on Hypothalamic Function, Food Intake, and Adiposity** Presenting Author: Ella C. Morgan, Bachelors in Neuroscience
2:10 p.m. - 2:20 p.m.	**Electrocardiogram Abnormalities in Relatively Early Type 2 Diabetes—Prevalence and Incidence in the Glycemia Reduction Approaches in Diabetes (GRADE) Cohort** Presenting Author: Rodica Pop-Busui, MD, PhD
2:20 p.m. - 2:30 p.m.	**Three-Year Setmelanotide Outcomes in Patients with POMC/LEPR Deficiency or BBS and Obesity** Presenting Author: Gauri Malthankar, BPharm, PhD
2:30 p.m. - 2:40 p.m.	**Artificial Intelligence vs. Human Coaching for Diabetes Prevention—Results from a 12-Month, Multicenter, Pragmatic Randomized Controlled Trial** Presenting Author: Nestoras N. Mathioudakis, MD, MHS
2:40 p.m. - 2:50 p.m.	**Early Findings from the Population Health Management Initiative—A Multisite Primary Care Model to Improve Diabetes and Hypertension Outcomes in Health Centers** Presenting Author: Jacob Tanumihardjo, MPH

Responsible Committee Member(s): Mark Atkinson

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

ePoster Theater

Theme Area: Epidemiology/Genetics

Session Number: ePoster06

Understanding Diabetes Risk—Are You What You Eat?

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): Luis A. Rodriguez, PHD, MPH, RD

1:30 p.m. - 1:40 p.m.	**1428-P Carbohydrate Eating—Timing, Gut Microbiome, and Cardiometabolic Disease** Presenting Author: Yanbo Zhang, PhD
1:40 p.m. - 1:50 p.m.	**1429-P Planetary Health Diet—Associations with Cardiovascular Disease and Type 2 Diabetes Risks, and Long-Term Weight Change in Women with a History of Gestational Diabetes** Presenting Author: Xin Yin, PhD
1:50 p.m. - 2:00 p.m.	**1430-P Maternal Soda Consumption during Pregnancy, Whether Sugar-Sweetened or Diet, Is Associated with Increased Cardiometabolic Risk in Offspring—The Safari Study** Presenting Author: Sharon P. G. Fowler, PhD, MPH
2:00 p.m. - 2:10 p.m.	**1431-P Sweetened Beverage Intake Is Associated with Increased Risk of Type 2 Diabetes in an Australian Population—A Longitudinal Study** Presenting Author: Robel H. Kabthymer, MSc
2:10 p.m. - 2:20 p.m.	**1432-P Lowering Food Insecurity and Improving Diabetes with Financial Incentives—A Randomized Controlled Pilot Study** Presenting Author: Rebekah J. Walker, PhD
2:20 p.m. - 2:30 p.m.	**1433-P Do Depressive Symptoms Mediate the Relation of Household Food Insecurity with Hemoglobin A1c among Youth and Young Adults with Youth-Onset Type 1 Diabetes?** Presenting Author: Ali M. Alfalki, MPH
2:30 p.m. - 2:40 p.m.	**1434-P ABO Blood Type Modifies Association of Whole Grain Intake with Diabetes—Role of Gut Microbiota and Blood Metabolites** Presenting Author: Chengyong Jia, PhD, MBBS
2:40 p.m. - 2:50 p.m.	**1435-P Improvements in Metabolic Health from Spanish-Delivered Care Are Similar to English-Delivered Care in a Carbohydrate-Restricted Nutrition Therapy Program** Presenting Author: Alison R. Zoller, MS, RD

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR01-1.5

New Molecular Pathways of Thermogenesis

Room: W190 A

1:30 p.m. - 1:45 p.m. **183- OR Novel Osteogenic Secretory Factor IGF2 Promotes Golgi-Endosome Trafficking to Enhance White Adipose Tissue Browning**
Presenting Author: Xihua Lin, PhD

1:45 p.m. - 2:00 p.m. **184-OR Cold-Induced Cysteine Redoxome Landscape of Brown Adipose Tissue**
Presenting Author: Toshinari Takamura, MD, PhD

2:00 p.m. - 2:15 p.m. **185-OR Slit3 Fragments Drive Neurovascular Expansion and Thermogenesis in Brown Adipose Tissue**
Presenting Author: Tamires Duarte Afonso Serdan, Doctorate

2:15 p.m. - 2:30 p.m. **186-OR Brain-Angiogenesis Inhibitor-3 Ablation Enhances Brown Adipose Tissue Thermogenesis and Protects against Obesity**
Presenting Author: Haifa Alsharif, PhD

2:30 p.m. - 2:45 p.m. **187-OR Adipocytes Derived from TRPV1-Positive Vascular Smooth Muscle Cells Regulate Cold-Induced Energy Expenditure**
Presenting Author: Cigdem Sahin, MSc, PhD

2:45 p.m. - 3:00 p.m. **188-OR Uncovering the Mechanisms of Brown Adipose Tissue Aging Using Spatially Resolved Single-Nucleus Transcriptomics**
Presenting Author: Liyi Wang, PhD

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR02-1.5

Beta-Cell Development and Postnatal Growth—The Ever-Changing Pancreatic Islet

Room: W196 A

Chair(s): James C. Lo, MD, PhD

1:30 p.m. - 1:45 p.m.	**195-OR The Ubiquitin-Ligase Substrate Adaptor KCTD17 Controls β-Cell Compensation to Insulin Resistance in Type 2 Diabetes** Presenting Author: Dario F. De Jesus, MSc, PhD
1:45 p.m. - 2:00 p.m.	**196-OR The Global Loss of DYRK1B Impairs Glucose Tolerance by Disrupting Beta-Cell Development and Function** Presenting Author: Hyun Kyung Kim, PhD
2:00 p.m. - 2:15 p.m.	**197-OR Senolysis in Pancreatic β-Cells Improves Islet Transplantation Outcomes in Preclinical Models of Diabetes Mellitus** Presenting Author: Cristina Aguayo-Mazzucato, MD, PhD
2:15 p.m. - 2:30 p.m.	**198-OR High-Fat Diet Has Different Impact on Human Alpha- and Beta-Cells In Vivo** Presenting Author: Chunhua Dai, MD
2:30 p.m. - 2:45 p.m.	**199-OR Mutation in CELA2A Drives Impaired Pancreatic Islet Development and Function** Presenting Author: Jiyoung Moon, Doctorate
2:45 p.m. - 3:00 p.m.	**200-OR Targeting β-Cell Senescence and Secondary Senescence—Therapeutic Potential of JAK Inhibitors in Diabetes** Presenting Author: Cristina Aguayo-Mazzucato, MD, PhD

Responsible Committee Member(s): Alejandro Caicedo, Manami Hara, and Teresa Mastracci

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-OR01-1.5

Advancing Our Understanding of Inflammation and Autoimmunity—Insights from Animal Models

Room: W192 A-C

Chair(s): Hubert M. Tse, PhD

1:30 p.m. - 1:45 p.m.	**189- OR Engineered Mesenchymal Stem Cell Therapy for the Prevention and Treatment of Type 1 Diabetes in Murine Models** Presenting Author: Hongjun Wang, PhD
1:45 p.m. - 2:00 p.m.	**190-OR Omics-Based Insights into Type 1 Diabetes Pathogenesis in Nonobese Diabetic Mice** Presenting Author: Harshraj Shinde, PhD
2:00 p.m. - 2:15 p.m.	**191-OR Targeting IL-8/CXCR1-CXCR2 to Unleash Regulatory B Cells in Type 1 Diabetes** Presenting Author: Moufida Ben Nasr, PhD
2:15 p.m. - 2:30 p.m.	**192-OR Protection against Type 1 Diabetes Development in Mice with 4E-BP2 Deletion** Presenting Author: Valentina Pita-Grisanti, PhD
2:30 p.m. - 2:45 p.m.	**193-OR IL-6 Deficiency Mitigates Metabolic Dysregulation in Mice via CXCL14-Driven Inflammation Reduction in Adipose and Liver Tissues** Presenting Author: Rasheed Ahmad, PhD
2:45 p.m. - 3:00 p.m.	**194-OR Sexually Dimorphic Microglial Senescence and Inflammatory Mechanisms in Obesity and Prediabetes Induced Cognitive Impairment** Presenting Author: Sarah Elzinga, MS, PhD

Responsible Committee Member(s): Maria Bettini

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR02-1.5

Advances in Neuronal and Adipose Contributors to Body Weight Maintenance

Room: W196 BC

Chair(s): Eunhee Choi, PhD

1:30 p.m. - 1:45 p.m.	**201-OR Circadian Control of Feeding by Amygdala PKR2 Neurons** Presenting Author: Kate Bowman, BS, MS
1:45 p.m. - 2:00 p.m.	**202-OR Slug-Elicited Epigenetic Reprogramming of VMH Neurons Promotes Obesity and Metabolic Disease** Presenting Author: Feng Jiang, PhD
2:00 p.m. - 2:15 p.m.	**203-OR Loss of Nogo Receptor RTN4R Leads to Hyperphagia and Obesity in Mice** Presenting Author: Qian Huang, PhD
2:15 p.m. - 2:30 p.m.	**204-OR Depot-Specific Thermogenic Regulation—RNF20 Orchestrates Temporal Activation of BAT and iWAT during Cold Exposure** Presenting Author: Jae Bum Kim, PhD
2:30 p.m. - 2:45 p.m.	**205-OR Adhesion-Related Macrophages Regulates Metabolic Homeostasis through Cav-1 Dependency** Presenting Author: Wanyu Hu, PhD
2:45 p.m. - 3:00 p.m.	**206-OR Bistable Regulation of Cellular Heterogeneity Governs Thermogenic Activity** Presenting Author: Anying Song, PhD

Responsible Committee Member(s): Rebecca Hauesler and Ellen Schur

SATURDAY, JUNE 21, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR08-1.5

Liver at the Crossroads—From Molecules to Mechanisms of Metabolic Health (With ADA Presidents' Select Abstract Presentation)

Room: W194 AB

Chair(s): Petra Hirsova, PharmD, PhD

1:30 p.m. - 1:45 p.m.	**207- OR ADA Presidents' Select Abstract: Identification of a Novel Hepatocyte Subpopulation That Normally Displays Selective Hepatic Insulin Resistance** Presenting Author: Junichi Okada, MD, PhD
1:45 p.m. - 2:00 p.m.	**208-OR PPP6C Directly Dephosphorylates TSC2, Improves Hepatic Lipid Metabolism, and Mediates FGF21 Action on Metabolic Dysfunction–Associated Steatohepatitis in Mice** Presenting Author: Aoyuan Cui, PhD
2:00 p.m. - 2:15 p.m.	**209-OR TLR2 Deficiency Induces Hepatic Steatosis through the PPAR-γ-CD36 Pathway** Presenting Author: Rasheed Ahmad, PhD
2:15 p.m. - 2:30 p.m.	**210-OR RNA Binding Protein YTHDC1 Critically Regulates Liver Metabolism and Homeostasis** Presenting Author: Qiantao Zheng, PhD
2:30 p.m. - 2:45 p.m.	**211-OR Chemerin Affects Mitochondrial Function by Modulating PPARγ/PGC-1α/UCP2 Signaling Pathway to Promote Metabolic Dysfunction-Associated Fatty Liver Disease** Presenting Author: Xiaojing Lin, PhD
2:45 p.m. - 3:00 p.m.	**212-OR Hepatic Overexpression of ACSS3 Alters Glucose Control and Fatty Acid Metabolism in Lean Mice** Presenting Author: Ashley S. Williams, PhD

Responsible Committee Member(s): Young-Bum Kim

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Debate

Theme Area: Acute and Chronic Complications

Session Number: AC-DB01-1

What Is the Best Way to Measure the Burden and Severity of Hypoglycemia in People Living with Diabetes?

Room: W185 A-D

Chair(s): Simon Heller, MD, FRCP

3:15 p.m. - 3:30 p.m.	**Time Below Range Is the Most Appropriate Measure of Hypoglycemia Burden** Gregg Simonson, PhD
3:30 p.m. - 3:45 p.m.	**The Number of Hypoglycemia Events Is the True Measure of Hypoglycemia Burden** Alexandria Ratzki-Leewing, PhD, MSc
3:45 p.m. - 3:50 p.m.	**Rebuttal—Time Below Range Is the Most Appropriate Measure of Hypoglycemia Burden** Gregg Simonson, PhD
3:50 p.m. - 3:55 p.m.	**Rebuttal—The Number of Hypoglycemia Events Is the True Measure of Hypoglycemia Burden** Alexandria Ratzki-Leewing, PhD, MSc
3:55 p.m. - 4:05 p.m.	**How Do I Measure and Communicate My Hypoglycemia Events and Experiences?** Eva Kathmann, PhD
4:05 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rozalina McCoy

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY02-1

Neuropathy Potpourri—Unveiling Novel Mechanisms and Urogenital Autonomic Dysfunction Impacts

Room: W186 A-C

Chair(s): Barbara H. Braffett, PhD, MS

3:15 p.m. - 3:35 p.m.	**Omics in Diabetic Neuropathy—A Path towards Better Understanding and New Targets** Stephanie Eid, PhD
3:35 p.m. - 3:55 p.m.	**Understanding the Clinical Impact of Urogenital Autonomic Dysfunction in Diabetes** Hunter Wessells, MD, FACS
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Lynn Ang

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY06-1

Remembering Type 1 Diabetes in the Kidney Therapeutics Revolution

Room: W181 A-C

Chair(s): Ian de Boer, MD, MS

3:15 p.m. - 3:35 p.m.	**Metabolic Alterations in Kidneys of Patients with Type 1 Diabetes** Ye Ji Choi, MPH
3:35 p.m. - 3:55 p.m.	**SGLT2 Inhibitors, Finerenone, and GLP-1 Receptor Agonists for Chronic Kidney Disease in Type 1 Diabetes** David Cherney, MD CM, PhD, FRCP(C)
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Jennifer Schaub

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY08-1

Under the Knife—Perioperative Considerations for Patients with Diabetic Foot Infections

Room: W180

Chair(s): Amanda Killeen, DPM

3:30 p.m. - 3:45 p.m.	**Uncovering the Impact of Depression on Prolonged Postoperative Opioid Use—Exploring Disparities in Diabetic Foot Patients** Brandon Brooks, DPM, MPH
3:45 p.m. - 4:00 p.m.	**When We Run Out of Interventions —The Palliative Paradigm for the Diabetic Foot** Neal Barshes, MD, MPH
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Amanda Killeen

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY11-1

The Tidal Wave Is Coming—Heart Failure Diagnosis, Prevention, and Treatment in Patients with Type 2 Diabetes

Room: W375 A

Chair(s): Jennifer Green, MD

3:15 p.m. - 3:30 p.m.	**Etiology of Heart Failure with Preserved EF—Focus on the Role of Diabetes** Ravi Patel, MD, MSc
3:30 p.m. - 3:45 p.m.	**Screening and Prevention of Heart Failure—Risk Stratification Tools, Biomarkers, and Imaging** James Januzzi, MD
3:45 p.m. - 4:00 p.m.	**New Developments in Heart Failure Therapy for the Endocrinologist** Adrian Hernandez, MD, MHS
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rita Kalyani

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Ask the Expert

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-AE01-1

GLP-1RAs—Miracle Drug or Behavioral Health Minefield?

Room: W183 BC

Chair(s): David Marrero, PhD; Deborah Young-Hyman, PhD, FTOS, Fellow SBM, CDCES

3:15 p.m. - 3:30 p.m.	**From Peptides to Plates—Understanding Nutrition Concerns with GLP-1RAs** Carla Miller, PhD, RD
3:30 p.m. - 3:45 p.m.	**Beyond the Weight Loss—Exploring Psychosocial Concerns Related to GLP-1RAs** Jennalee Wooldridge, PhD, CDCES
3:45 p.m. - 4:00 p.m.	**GLP-1RAs and the Health-Disparity Divide—Access, Affordability, and Awareness** Jaclynn M. Hawkins, PhD, MSW
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Elizabeth Beverly

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-DB01-1

Weight Loss in Pregnancy with Obesity—Risky Gamble or Beneficial Bet?

Room: W187 A-C

Chair(s): Patrick Catalano, MD

3:15 p.m. - 3:30 p.m.	**Weight Loss in Pregnancy Complicated by Obesity Is Risky** Kimberly Vesco, MD, MPH, FACOG
3:30 p.m. - 3:45 p.m.	**Weight Loss in Pregnancy Complicated by Obesity Can Be Beneficial** Claire L. Meek, MB, ChB, MRCP, FRCPath, PhD
3:45 p.m. - 3:50 p.m.	**Rebuttal—Weight Loss in Pregnancy Complicated by Obesity Is Risky** Kimberly Vesco, MD, MPH, FACOG
3:50 p.m. - 3:55 p.m.	**Rebuttal—Weight Loss in Pregnancy Complicated by Obesity Can Be Beneficial** Claire L. Meek, MB, ChB, MRCP, FRCPath, PhD
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Camille Powe

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY26-1

The Overlooked Organ—Optimizing Liver Health in Diabetes Management

Room: W184 A-D

Chair(s): Kenneth Cusi, MD; Mandeep Bajaj, MBBS

3:15 p.m. - 3:25 p.m.	**Introduction and Team-Based Care** Kenneth Cusi, MD Mandeep Bajaj, MBBS
3:25 p.m. - 3:35 p.m.	**Epidemiology/Hepatology** Arun J. Sanyal, MD
3:35 p.m. - 3:45 p.m.	**Primary Care** Jay H. Shubrook, DO
3:45 p.m. - 3:50 p.m.	**Behavioral Health** Elizabeth A. Beverly, PhD
3:50 p.m. - 3:55 p.m.	**Nutrition, Physical Activity, and Exercise** Elizabeth J. Pekas, PhD
3:55 p.m. - 4:05 p.m.	**Endocrinology and Obesity** Diana Barb, MD
4:05 p.m. - 4:15 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Epidemiology/Genetics

Session Number: EG-PN02-1

Cross-Sectoral Platforms—Transforming Diabetes Prevention for All

Room: W183 A

Chair(s): Mary E. Lacy, PhD

3:15 p.m. - 3:30 p.m.	**Leveraging Federal Policy and Programs to Prevent and Treat Diabetes—National Clinical Care Commission Report to Congress** Griffin Rodgers, MD, MACP
3:30 p.m. - 3:45 p.m.	**The Role of the Public Health Sector (CDC, and State and Local Health Departments) in Multisector Partnerships to Improve Diabetes Care** Karen Hacker, MD, MPH
3:45 p.m. - 4:00 p.m.	**Building Public-Private Partnerships to Help Reduce Disparities in Diabetes Care—Bridging the Gap Initiative** Monica E. Peek, MD, MPH, MSc
4:00 p.m. - 4:15 p.m.	**The Diabetes Impact Project—An Example of a Successful Multisector Partnership to Reduce Diabetes Burden in Indianapolis Communities** Lisa Staten, PhD

Responsible Committee Member(s): Sagar Dugani

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR06-1

Translational and Human Studies on Metabolic Regulation

Room: W190 A

Chair(s): Barbara Nikolajczyk, PhD

3:15 p.m. - 3:30 p.m.	**213- OR Liraglutide and Empagliflozin Each Improve Metabolic and Microvascular Insulin Sensitivity, with Enhanced Cardiac Benefits in Combination Therapy** Presenting Author: Jia Liu, PhD
3:30 p.m. - 3:45 p.m.	**214-OR Increases in TUG Abundance and Expression Are a Feature of Insulin-Resistant Human Adipose Tissue** Presenting Author: Jordan W. Strober, PhD
3:45 p.m. - 4:00 p.m.	**215-OR Increased White Adipose Tissue Oxidative Capacity and Insulin Resistance Are Early Changes upon High-Fat Diet in Healthy Humans** Presenting Author: Georgia Xourafa, MD

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-PN01-1

Genes and Microbes—Old Foes and New Revelations on the Road to Type 1 Diabetes

Room: W192 A-C

3:15 p.m. - 3:25 p.m.	**Introduction**
3:25 p.m. - 3:35 p.m.	**Genetics** Richard A. Oram, MD, PhD
3:35 p.m. - 3:45 p.m.	**Viral Infections and Dysbiosis** Marc Horowitz, PhD
3:45 p.m. - 3:55 p.m.	**Microbiome** Eric Triplett, PhD
3:55 p.m. - 4:05 p.m.	**Viral Infections and Immunology—Viral T-Cell Responses** Alberto Pugliese, MD
4:05 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Maria Bettini

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN01-1

Metabolic and Molecular Characteristics of MASH

Room: W196 BC

Chair(s): Amalia Gastaldelli, PhD

3:15 p.m. - 3:30 p.m.	**Is MASLD/MASH an Insulin-Resistance Disease?** Sonia Najjar, MS, PhD
3:30 p.m. - 3:45 p.m.	**The Role of Lipid Droplets in MASH** Rotonya M. Carr, MD, FACP
3:45 p.m. - 4:00 p.m.	**Liver Cell Heterogeneity, Plasticity, and Dynamics in MASH Progression** Liangyou Rui, PhD
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Young-Bum Kim

SATURDAY, JUNE 21, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN03-1

Proglucagon Peptide Cross Talk

Room: W194 AB

Chair(s): David D'Alessio, MD

3:15 p.m. - 3:35 p.m.	**The Role of Proglucagon Peptides in Energy and Glucose Metabolism** Marzieh Salehi, MD, MS
3:35 p.m. - 3:55 p.m.	**Harnessing Proglucagon Peptide Signals to Treat Obesity and Diabetes** Adrian Vella, MD
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Janice Hwang

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR02-1.5

The Hypoglycemia Risk Profile—Leveraging Disparate Methods to Identify and Phenotype Those at Risk

Room: W186 A-C

Chair(s): Alexandra K. Lee, PhD, MSPH

4:30 p.m. - 4:45 p.m.	**217- OR Immediate and Extended Effects of Exercise on Glycaemic Control and Hypoglycaemia Risk** Presenting Author: Josip Zivkovic, MSc
4:45 p.m. - 5:00 p.m.	**218-OR Time of Exercise Affects Nocturnal Hypoglycemia after Exercise in Adults with Type 1 Diabetes (T1D)—Results from the T1D Exercise Initiative (T1DEXI) Study** Presenting Author: Daniel I. Bisno, MD
5:00 p.m. - 5:15 p.m.	**219-OR Characterising Severe Hypoglycaemia—Insights from a UK Multicentre Study** Presenting Author: Aqeelah Khatoon, MBChB
5:15 p.m. - 5:30 p.m.	**220-OR Associations between Depression, Anxiety, Diabetes Distress, and Fear of Hypoglycemia and Impaired Awareness of Hypoglycemia in Type 1 and Insulin-Treated Type 2 Diabetes in the Hypo-METRICS Study** Presenting Author: Aisling M. McCarthy, MB, BCh, BAO, MRCPI
5:30 p.m. - 5:45 p.m.	**221-OR Risk Factors of Severe Hypoglycemia (SH) and Level 2 Hypoglycemia (Lv2Hypo) in Hybrid Closed-Loop (HCL) Users** Presenting Author: Yu Kuei Lin, MD
5:45 p.m. - 6:00 p.m.	**222-OR Burden of Recurrent Severe Hypoglycemia (SH) in U.S. Older Adults (OA) with Type 2 Diabetes (T2D)** Presenting Author: Anna Kahkoska, MD, PhD

Responsible Committee Member(s): Rozalina McCoy

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY04-1.5

Consensus or Controversy? Hot Topics in Nutrition 2025

Room: W185 A-D

Chair(s): Maureen Chomko, RDN, CDCES

4:30 p.m. - 4:50 p.m.	**Carb Conundrum—Should Very Low Carbohydrate Nutrition Be Frontline for Type 1 Diabetes?** Belinda S. Lennerz, MD, PhD
4:50 p.m. - 5:10 p.m.	**Empowering Patients—Promoting Food Sovereignty/Traditional Foods for People with Diabetes** Maya Feller, MS, RD, CDN
5:10 p.m. - 5:30 p.m.	**Why Are We Still Recommending Low-Fat Dairy?** Jana Kraft, PhD
5:30 p.m. - 5:50 p.m.	**The Science of Plant-Based Eating—Evidence for Reversing Insulin Resistance** Hana Kahleova, MD, PhD, MBA
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Gretchen Benson

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Innovation Challenge

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-ME24-1.5

Innovation Challenge—Note: Continuing Education Credit Is Not Awarded for this Session

Room: W375 B-E

4:30 p.m. - 6:00 p.m.	**Innovation Challenge**

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR02-1.5

Early Phase, Post Hoc, and Subgroup Analyses from Clinical Trials Testing Incretin-Based Therapies—Take 1

Room: W181 A-C

Chair(s): Neda Rasouli, MD

4:30 p.m. - 4: 45p.m.	**223- OR Emulation of the Study of Tirzepatide Compared with Dulaglutide on Major Cardiovascular Events in Participants with Type 2 Diabetes (SURPASS-CVOT)** Presenting Author: John Ostrominski, MD
4:45 p.m. - 5:00 p.m.	**224-OR SURMOUNT-5 Tirzepatide vs. Semaglutide for Obesity—Rapid Responders and Associated Weight Reduction and Safety** Presenting Author: Louis J. Aronne, MD, FACP, DABOM
5:00 p.m. - 5:15 p.m.	**225-OR The Oral Apelin Receptor Agonist Azelaprag Enhances Glycemic Control in Preclinical Models of Diabetic Obesity Both as Monotherapy and in Combination with Tirzepatide** Presenting Author: Paul Rubin, MD
5:15 p.m. - 5:30 p.m.	**226-OR Switching from Dulaglutide to Tirzepatide in T2D—Subgroup Analyses of the SURPASS-SWITCH Trial** Presenting Author: Anita Kwan, MSc
5:30 p.m. - 5:45 p.m.	**227-OR Patient-Reported Outcomes in People with T2D in the SURPASS-SWITCH Phase 4 Clinical Trial** Presenting Author: Kristina Boye, PhD
5:45 p.m. - 6:00 p.m.	**228-OR Effects of Pemvidutide, a GLP-1/Glucagon Dual Receptor Agonist, on Cardioinflammatory Lipids in Subjects with Obesity or Overweight** Presenting Author: John J. Suschak, PhD

Responsible Committee Member(s): Rajesh Garg and Leigh Perreault

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR08-1.5

What's New with Continuous Glucose Monitoring?

Room: W183 BC

Chair(s): Priya Prahalad, MD, PhD

4:30 p.m. - 4:45 p.m.	**229- OR The Accuracy of a Novel Continuous Ketone Monitoring System (CKM) and Metrics of Ketosis during Ketogenic Diets in Type 1 Diabetes (T1D)** Presenting Author: Nicholas Sabelli, BSc (Hons), MSc (Candidate)
4:45 p.m. - 5:00 p.m.	**230-OR A Real-Time Recalibration Algorithm to Improve the Accuracy of CGM Sensors in Newborns** Presenting Author: Alfonso Galderisi, MD, PhD
5:00 p.m. - 5:15 p.m.	**231-OR Dexcom G6 Pro Accuracy and Reproducibility in the Intensive Care Unit** Presenting Author: Jagdeesh Ullal, MD, MS, FACE, FACP, ECNU
5:15 p.m. - 5:30 p.m.	**232-OR Accuracy of Real-Time Continuous Glucose Monitoring in Hospitalized Patients with Diabetes and Impaired Kidney Function** Presenting Author: Yoshinori Kakutani, MD, PhD
5:30 p.m. - 5:45 p.m.	**233-OR Occurrence and Impact of Missing Data on CGM Metrics—Analysis of Data from Type 1 Diabetes Exercise Initiative (T1DEXI)** Presenting Author: Dongying Zhan, PhDs in Statistics and in Biomedical Engineering
5:45 p.m. - 6:00 p.m.	**234-OR Impact of Initiating Continuous Glucose Monitoring in People with Type 2 Diabetes Not on Insulin—A Randomized Controlled Trial** Presenting Author: Holly J. Willis, PhD, RDN, CDCES

Responsible Committee Member(s): Halis Akturk, Natalie Bellini, and Priya Prahalad

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY13-1.5

Everything You Want to Know about the Latest Advances in Pediatric Type 2 Diabetes

Room: W184 A-D

Chair(s): Stephanie Chung, MBBS

4:30 p.m. - 4:50 p.m.	**Single and Dual Incretin Analogs for Treatment of Pediatric Type 2 Diabetes—Where Do We Stand Now, and What Gaps Are Yet to Be Filled?** Tamara Hannon, MD
4:50 p.m. - 5:10 p.m.	**Early Treatment with GLP-1 Agonist and SGLT-2 Inhibitors—What Are the Pros and Cons for Youth with Type 2 Diabetes?** Megan Oberle Bensignor, MD, MSHP
5:10 p.m. - 5:30 p.m.	**Cardiovascular Disease and Nephropathy in Youth with Obesity and Type 2 Diabetes—Looking beyond A1C as a Risk Marker** Fida Bacha, MD, FAAP
5:30 p.m. - 5:50 p.m.	**Improving Sleep in Young Adults and Children to Reduce Type 2 Diabetes and Obesity Risk** Esra Tasali, MD
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Eda Cengiz

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY38-1.5

Joint ADA/AACC Symposium—1 Hour Glucose to Diagnose Intermediate Hyperglycemia and Diabetes. Do We Need Another Test?

Room: W183 A

Chair(s): Klara R. Klein, MD, PhD

4:30 p.m. - 4:45 p.m.	**How Do We Determine Laboratory Test Cut-Points for Intermediate Hyperglycemia and Diabetes?** K M Venkat Narayan, MD, MSc, MBA
4:45 p.m. - 5:05 p.m.	**Implementing One-Hour OGTT to Stem the Global Epidemic of Type 2 Diabetes** Michael Bergman, MD
5:05 p.m. - 5:25 p.m.	**We Do Not Need Another Test to Find Those at Risk—We Should More Broadly Implement the Tools We Have** Elizabeth Selvin, PhD, MPH
5:25 p.m. - 5:30 p.m.	**Rebuttal—Implementing One-Hour OGTT to Stem the Global Epidemic of Type 2 Diabetes** Michael Bergman, MD
5:30 p.m. - 5:35 p.m.	**Rebuttal—We Do Not Need Another Test to Find Those at Risk—We Should More Broadly Implement the Tools We Have** Elizabeth Selvin, PhD, MPH
5:35 p.m. - 6:00 p.m.	**Question and Discussion Period**

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR02-1.5

Metabolic Cross Talk and Endocrine Signaling

Room: W194 AB

Chair(s): Jacqueline L. Beaudry, PhD

4:30 p.m. - 4:45 p.m.	**235- OR Interleukin-12 Is a Novel Proinflammatory Cytokine Regulating Insulin Resistance in the Liver** Presenting Author: Asha Daryanani, BS
4:45 p.m. - 5:00 p.m.	**236-OR A New Layer of Endocrine Regulation—Brown Fat–Derived MicroRNAs Regulate Metabolic Functions in Distal Organs** Presenting Author: Marsel Lino, PhD
5:00 p.m. - 5:15 p.m.	**237-OR Adipocyte–Endothelial Cell Cross Talk in Adipose Tissue—The Impact of Rho-Associated, Coiled-Coil–Containing Protein Kinase 2 on Insulin Resistance** Presenting Author: Shinji Ohashi, MD
5:15 p.m. - 5:30 p.m.	**238-OR M6A RNA Methylation Regulates Mitochondrial Functions and Exosomal miR-6126 Signaling in Brown Adipocytes to Improve Systemic Metabolism** Presenting Author: Ling Xiao, PhD
5:30 p.m. - 5:45 p.m.	**239-OR Bone Marrow Stromal OGT Controls Diabetic Osteoporosis** Presenting Author: Hai-Bin Ruan, PhD
5:45 p.m. - 6:00 p.m.	**240-OR Mirabegron Treatment Reduces Myofibroblasts and Inflammatory NK Cells in Adipose Tissue in Obesity** Presenting Author: Philip A. Kern, MD

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN04-1.5

Novel Nonpharmacologic Interventions to Modulate Insulin Resistance

Room: W190 A

Chair(s): Janice Hwang, MD, MHS

4:30 p.m. - 4:50 p.m.	**Fasting Mimicking Diet Cycles in Diabetes and Obesity Treatment** Valter Longo, PhD
4:50 p.m. - 5:10 p.m.	**Effect of Neuromuscular Stimulation in Modulating Glucose Metabolism** Sudip Bajpeyi, PhD
5:10 p.m. - 5:30 p.m.	**Exercise Training and Insulin Sensitivity—Targeting Muscle and Blood Flow** Jane E. B. Reusch, MD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Janice Hwang

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY04-1.5

Nonneuronal Contributors to CNS Regulation of Body Weight

Room: W192 A-C

Chair(s): Kevin Williams, PhD

4:30 p.m. - 4:50 p.m.	**Astrocytes and the Gliovascular Interface** Cristina Garcia-Caceres, PhD
4:50 p.m. - 5:10 p.m.	**Pericytes in Hypothalamic Feeding Centers** Maia Kokoeva, PhD
5:10 p.m. - 5:30 p.m.	**Regulation of Neuronal Function by Extracellular Matrix** Kimberly Alonge, PhD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Ellen Schur and Rebecca Haeusler

SATURDAY, JUNE 21, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY06-1.5

ADA Diabetes Journal Symposium—Shifting from Quantity to Quality

Room: W187 A-C

Chair(s): Lisa Chow, MD, MS

4:30 p.m. - 4:50 p.m.	**Genetic and Metabolic Factors in the Quantity and Quality of Weight Loss** Mary-Ellen Harper, PhD
4:50 p.m. - 5:10 p.m.	**Obesity Sarcopenia—Implications for Weight Loss Therapies** John A. Batsis, MD
5:10 p.m. - 5:30 p.m.	**Targeting the Activin/Myostatin System to Influence Muscle and Adipose Mass and Function** Paul M. Titchenell, PhD
5:30 p.m. - 5:50 p.m.	**Benefits of Exercise Training in Combination with Weight Loss Therapies** Dennis T. Villareal, MD
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Acute and Chronic Complications

Session Number: AC-PN02-1.5

Saving Kidneys and Lives Ushers in a New Era for Kidney Disease in Diabetes

Room: W187 A-C

Chair(s): Sylvia Rosas, MD, MSCE

8:00 a.m. - 8:45 a.m.	**A Sea Change in the Treatment of Kidney Disease in Diabetes** Katherine Tuttle, MD, FASN, FACP, FNKF
8:45 a.m. - 9:30 a.m.	**Panel Discussion** Jay Shubrook, DO John Buse, MD, PhD Wendy St. Peter, PharmD, FASN, FNKF, FCCP Patrick O. Gee, PhD, JLC

Responsible Committee Member(s): Jennifer Schaub

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY07-1.5

Unraveling the Code—Multiomic Insights into Diabetic Foot Ulcer Healing

Room: W180

Chair(s): Brian M. Schmidt, DPM

8:00 a.m. - 8:20 a.m.	**Understanding Cellular Heterogeneity of Diabetic Foot Ulcer Using Single-Cell RNA Sequencing** Kanhaiya Singh, PhD
8:20 a.m. - 8:40 a.m.	**System Biology of Cell-Cell Communication in Diabetic Foot Ulcer** Manoj K. Bhasin, PhD
8:40 a.m. - 9:00 a.m.	**Spatial and Temporal Dynamics of Cellular Interactions during Wound Healing** Mateusz S. Wietecha, DMD, PhD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Amanda Killeen

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Ask the Expert

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-AE02-1.5

Tailoring Diabetes Education to Real-World Challenges

Room: W186 A-C

Chair(s): Jenny DeJesus, DNP, ANP, BC-ADM

8:00 a.m. - 8:20 a.m.	**Supporting Individuals with Cancer (and Diabetes)** Veronica Brady, PhD, MSN, BSN
8:20 a.m. - 8:40 a.m.	**Simplifying the Meal Bolus on AID—A One-Size-Fits-All Solution** Cari Berget, MPH, RN, CDCES
8:40 a.m. - 9:00 a.m.	**Tackling Affordability and Access to Diabetes Medications and Technology** Jennifer Trujillo, PharmD, BCPS, CDCES, BC-ADM
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rebecca Longo and Jenny DeJesus

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Ask the Expert

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-AE03-1.5

Joint ADA/ISPAD Symposium—Exploring Emerging Treatments for Pediatric Diabetes

Room: W183 BC

Chair(s): Eda Cengiz, MD, MHS

8:00 a.m. - 8:20 a.m.	**Joint Consensus ADA-ISPAD-EASD International Recommendations for Diabetes Transition** Sarah Lyons, MD
8:20 a.m. - 8:40 a.m.	**What Is New in ISPAD 2024 Guidelines?** Yeray Novoa Medina, MD, MPH, PhD
8:40 a.m. - 9:00 a.m.	**Characteristics and Drivers of Obesity in Type 1 Diabetes—Lessons from Registries** Daria A. Igudesman, PhD, MS, RD
9:00 a.m. - 9:20 a.m.	**Is It Time? Operationalizing Time in Tight Range for Youth with Type 1 Diabetes** Gregory Forlenza, MD, MS
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Eda Cengiz

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-PN01-1.5

Perspective Panel—Dropping Cost and Complications—CVD Risk and DM—SGLT2s and GLPs for CVD

Room: W184 A-D

8:00 a.m. - 8:10 a.m.	**Adult Clinician** Celeste Thomas, MD
8:10 a.m. - 8:20 a.m.	**Youth Clinician** Grace K. Kim, MD
8:30 a.m. - 8:40 a.m.	**Health System** Esra Karslioglu-French, MD
8:50 a.m. - 9:00 a.m.	**Patient Perspective** Neal Clemens
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Amisha Wallia

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY02-1.5

Pregnancy with Type 2 Diabetes—Integrating New Therapies and Technologies

Room: W183 A

Chair(s): Ebony B. Carter, MD, MPH

8:00 a.m. - 8:20 a.m.	**How Should We Use Continuous Glucose Monitoring in Pregnancy with Type 2 Diabetes?** Helen Murphy, MBBChBAO, MD, FRACP
8:20 a.m. - 8:40 a.m.	**Preconception Use of GLP-1 Receptor Agonists—Do the Risks Outweigh the Benefits?** Jacqueline Maya, MD
8:40 a.m. - 9:00 a.m.	**New Approaches to Type 2 Diabetes Prevention after Gestational Diabetes** Wendy Bennett, MD, MPH
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Camille Powe

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY04-1.5

When the Treatment of Type 2 Diabetes Becomes Nuanced

Room: W185 A-D

Chair(s): Liana K. Billings, MD, MMSc

8:00 a.m. - 8:20 a.m.	**In the Lean Patient with Type 2 Diabetes** Kristina Utzschneider, MD
8:20 a.m. - 8:40 a.m.	**In Ketosis-Prone Diabetes** Priya Vellanki, MD, MS
8:40 a.m. - 9:00 a.m.	**In the Setting of End-Stage Liver Disease** Thomas Jensen, MD
9:00 a.m. - 9:20 a.m.	**In the Setting of End-Stage Renal Disease** Jeffrey S. Berns, MD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY09-1.5

Advances and Trends in Diabetes Technology

Room: W181 A-C

Chair(s): Natalie J. Bellini, DNP, FNP-BC, BC-ADM, CDCES

8:00 a.m. - 8:20 a.m.	**Diabetes Technology in the Inpatient and Discharge Setting** Claudia Lewis, MMS, PA-C
8:20 a.m. - 8:40 a.m.	**Type 2 and Automated Insulin Delivery Systems** Georgia Davis
8:40 a.m. - 9:00 a.m.	**The Role of CGM in Staging Early Type 1 Diabetes** Andrea Steck, MD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY42-1.5

Efficacy and Safety of CagriSema 2.4mg/2.4mg in Adults with Overweight/Obesity—The REDEFINE 1 and REDEFINE 2 Clinical Trials

Room: W375 A

Chair(s): Donna H. Ryan, MD

8:00 a.m. - 8:05 a.m.	**Introduction and Welcome** Donna H. Ryan, MD
8:05 a.m. - 8:17 a.m.	**Understanding Combined Amylin and GLP-1 Receptor Agonists' Mechanism of Action** Thomas A. Lutz, DVM, PhD
8:17 a.m. - 8:27 a.m.	**Introduction to REDEFINE 1 and REDEFINE 2—Overview, Studies Design, and Baseline Characteristic** Julio Rosenstock, MD
8:27 a.m. - 8:39 a.m.	**REDEFINE 1—Efficacy Result** W. Timothy (Tim) Garvey, MD, MACE
8:39 a.m. - 8:51 a.m.	**REDEFINE 2—Efficacy Results** Melanie J. Davies, CBE, MB, ChB, MD, FRCP, FRCGP, FMedSci
8:51 a.m. - 9:01 a.m.	**REDEFINE 1 and REDEFINE 2—Safety Results** Sue D. Pedersen, MD, FRCPC, DABOM
9:01 a.m. - 9:13 a.m.	**Clinical Implications of REDEFINE 1 and REDEFINE 2 Results** Louis J. Aronne, MD, FACP, DABOM
9:13 a.m. - 9:30 a.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY04-1.5

Preventing Risk Factors for Type 2 Diabetes—Primordial Prevention of Type 2 Diabetes

Room: W190 A

Chair(s): Carrie R. Howell, PhD

8:00 a.m. - 8:20 a.m.	**Lifestyle Targets for Primordial Prevention of Type 2 Diabetes—Evidence and Future Pathways** Junia N. de Brito, PhD, MPH, MBA
8:20 a.m. - 8:40 a.m.	**Targeting Social Determinants of Health for Primordial Prevention of Type 2 Diabetes** Noel Barengo, MD, PhD, MPH
8:40 a.m. - 9:00 a.m.	**Real-World Strategies for the Prevention of Type 2 Diabetes in Primary Care** Eva Tseng, MD, MPH
9:00 a.m. - 9:20 a.m.	**Policy Research—The Present and the Future in Primary Prevention of Diabetes** Barry M. Popkin, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Sagar Dugani

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-SY03-1.5

New Molecular Regulators of Energy Metabolism Independent of Appetite Suppression

Room: W194 AB

8:00 a.m. - 8:20 a.m.	**Mechanisms of Glucagon-Receptor Signaling** Jacqueline L. Beaudry, PhD
8:20 a.m. - 8:40 a.m.	**Adipsin in Peripheral Energy Metabolism** James Lo, MD, PhD
8:40 a.m. - 9:00 a.m.	**Immune-Metabolic Cross Talk** Emily Goldberg, PhD
9:00 a.m. - 9:20 a.m.	**Gut-Brain Axis following Bariatric Surgery** Darleen A. Sandoval, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paul Titchenell and Katrin Svenssson

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-SY02-1.5

States of the Beta Cell

Room: W196 A

Chair(s): Guy A. Rutter, PhD

8:00 a.m. - 8:20 a.m.	**The Aged State of the Beta Cell** Rafael Arrojo e Drigo, PhD
8:20 a.m. - 8:40 a.m.	**The Connected State of the Beta Cell** Vira Kravets, PhD
8:40 a.m. - 9:00 a.m.	**The Epigenetic State of the Beta Cell** J. Andrew Pospisilik, PhD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Manami Hara, Alejandro Caicedo, and Teresa Mastracci

SUNDAY, JUNE 22, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN06-1.5

Weight Bias

Room: W192 A-C

8:00 a.m. - 8:20 a.m.	**Lived Experience** Patricia Nece, J.D.
8:20 a.m. - 8:40 a.m.	**Weight-Based Bullying, Bias, and Discrimination** Sarah Barlow
8:40 a.m. - 9:00 a.m.	**Body Image and Stigma** Rebecca Pearl, PhD
9:00 a.m. - 9:20 a.m.	**Changing the Dialogue around Obesity** Sean Wharton, MD, PharmD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Ellen Schur and Rebecca Haeusler

SUNDAY, JUNE 22, 2025

9:45 a.m. - 11:15 a.m.

Special Lectures and Addresses

Session Number: MSB-01

President, Medicine & Science Address and Banting Medal for Scientific Achievement

Room: W375 B-E

9:45 a.m. - 10:30 a.m.	**Turning Progress into Promise—The Unfinished Journey of Diabetes** Rita Rastogi Kalyani, MD, MHS
10:30 a.m. - 11:15 a.m.	**Revisiting the β-cell—The Key to the Type 2 Diabetes Puzzle** Steven E. Kahn, MB, ChB

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Acute and Chronic Complications

Session Number: AC-IG03-1

Discussion on Eye Health—Diabetic Retinopathy—AI Solutions for Screening, Follow-Up, and Workflow Integration

Room: W183 A

Chair(s): Kristen Nwanyanwu, MD, MBA, MHS

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 12:00 p.m.	**AI Solutions for Diabetic Retinopathy Screening and Follow-up** Rithwick Rajagopal, MD, PhD
12:00 p.m. - 12:25 p.m.	**Implementing AI in Primary Care—Logistics and Practical Applications** Roomasa Channa, MD
12:25 p.m. - 12:30 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG01-1

Discussion on Diabetes Technology—Diabetes Technology Distress

Room: W184 A-D

Chair(s): Paige Johnson, RN, BSN, CDCES

11:30 a.m. - 11:34 a.m.	**Introduction**
11:34 a.m. - 11:48 a.m.	**The Distress of Supply Chain Interruptions** Andrew A. Welch, DO
11:48 a.m. - 12:02 p.m.	**Distress of Alarms** Gwendolyne Jack, MD, MPH
12:02 p.m. - 12:16 p.m.	**Tech Tensions—The Mental and Emotional Strain of Living with Diabetes Devices** Estelle M. Everett, MD, MHS
12:16 p.m. - 12:30 p.m.	**Helping Patients Navigate the Limitations of CGM** David Ahn, MD

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG03-1

Discussion on Diabetes in Youth—D-Tech and DEB—The Spectrum of Disordered Eating Behaviors in Children, Adolescents, and Young Adults Using Diabetes Devices

Room: W187 A-C

Chair(s): Marisa E. Hilliard, PhD; Heba M. Ismail, MB, BCh, PhD

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 12:00 p.m.	**Clinical Spectrum of Disordered Eating Behaviors** Lori M. Laffel, MD, MPH
12:00 p.m. - 12:25 p.m.	**Behavioral Management of Disordered Eating in Youth** Laura B. Smith, PhD
12:25 p.m. - 12:30 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Epidemiology/Genetics

Session Number: EG-IG01-1

Discussion on Public Health and Epidemiology—Diabetes Prevention Across Ages and Settings

Room: W185 A-D

Chair(s): Julie M. Paik, MD, ScD

11:30 a.m. - 11:36 a.m.	**Introduction**
11:36 a.m. - 11:51 a.m.	**Preventing Diabetes in Children** Tamara S. Hannon, MD
11:51 a.m. - 12:06 p.m.	**Diabetes Prevention in the Finnish Population—Scaling from Clinical Trials to Population Health** Noël C. Barengo, MD, PhD, MPH
12:06 p.m. - 12:21 p.m.	**Type 2 Diabetes Prevention—From Clinical Trials to Public Health Impact** Amit Gupta, MBBS, DNB, FACE, FACP, FRCP (Glasgow, Edinburgh)
12:21 p.m. - 12:30 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: ePoster07

Navigating Diabetes Distress—Strategies for Assessment, Impact, and Management in Clinical Practice

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Jennifer Raymond, MD, MCR

11:30 a.m. - 11:40 a.m.	**601-P Diabetes Self-Efficacy—Longitudinal Relationships with Diabetes Overall Self-Management, Medication Adherence, Diabetes Distress, and Glycemic Control in Adults with Type 2 Diabetes** Presenting Author: Jeffrey S. Gonzalez, PhD
11:40 a.m. - 11:50 a.m.	**602-P Extent and Impact of Provider Engagement with EHR-Based Diabetes Distress (DD) Screening** Presenting Author: Angela Fruik, MPH, RD, LDN
11:50 a.m. - 12:00 p.m.	**603-P Diabetes Distress Is Associated with Poor Glycemic Control after Islet Autotransplantation** Presenting Author: Adeola A. Ishola, MD
12:00 p.m. - 12:10 p.m.	**604-P Parent Sleep Quality and Diabetes Distress in Families of Youth with Type 1 Diabetes (T1D)** Presenting Author: Alexandra Monzon, PhD
12:10 p.m. - 12:20 p.m.	**605-P Diabetes Distress Is Associated with Higher Risk of Hypoglycemia in Older Adults with Type 1 Diabetes in the AIDE Trial** Presenting Author: Shafaq Raza Rizvi, MBBS
12:20 p.m. - 12:30 p.m.	**606-P Addressing Diabetes Distress in Clinical Practice—Provider Feedback and Resource Gaps following Screening Implementation** Presenting Author: Jennifer J. Iyengar, MD

Responsible Committee Member(s): Elizabeth Beverly

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Obesity/Integrated Physiology

Session Number: ePoster08

Integrative Mechanisms of Metabolic Regulation and Therapeutic Approaches

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): Lei Yin, PhD

11:30 a.m. - 11:40 a.m.	**1603-P ROCK1 in Hepatic Stellate Cells Regulates Insulin Sensitivity and Communicates with Muscle during Overnutrition** Presenting Author: Kellen Rodrigues, PhD
11:40 a.m. - 11:50 a.m.	**1657-P Forty-Weeks of Metformin Improves Glucose Tolerance without Alterations in Skeletal Muscle Mitochondrial Function and Aerobic Capacity** Presenting Author: Mark W. Pataky, PhD
11:50 a.m. - 12:00 p.m.	**1658-P Hyperpolarization as a Driver of Alpha-Cell Function—The Role of Sodium/Potassium ATPases in Glucose-Regulated Glucagon Secretion** Presenting Author: Matthew Dickerson, PhD
12:00 p.m. - 12:10 p.m.	**1659-P Oxytocin Is Robustly Expressed throughout the Small Intestine in Individuals with and without Type 2 Diabetes and Serum Neurophysin I Levels Are Reduced after Roux-en-y Gastric Bypass** Presenting Author: Ida Marie Gether, MD
12:10 p.m. - 12:20 p.m.	**1660-P Examining the Effects of Menstruation on Diabetes Management among People with Diabetes in the U.S. and EU** Presenting Author: Anuradha Krishnan, BA

Responsible Committee Member(s): Young-Bum Kim, Janice Hwang

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-IG01-1

Discussion on Islet Biology, Development, and Function—That Which Does Not Kill You-The Resilient Beta Cell

Room: W181 A-C

Chair(s): Danielle Dean, PhD

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**Post-bariatric Surgery and Type 2 Diabetes Beta-Cell Adaptations** Bethany Cummings, DVM, PhD
11:50 a.m. - 12:05 p.m.	**ATF6 and Beta-Cell Adaptation to Insulin Resistance and Proliferation** Laura C. Alonso, MD
12:05 p.m. - 12:20 p.m.	**Immediate Early Genes and Beta-Cell Adaptation to Pregnancy** Ronadip R. Banerjee, MD, PhD
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-IG01-1

Discussion on Immunology and Beta-Cell Replacement—Unraveling the Immunological Puzzle of Type 1 Diabetes—The Converging Roles of T Cells, B Cells, and Innate Immunity

Room: W183 BC

Chair(s): Eddie A. James, PhD

11:50 a.m. - 12:10 p.m.	**Beta-Cell Antigen Reactive B Cells—Diagnostic Tools and Drivers of Autoimmunity** Jamie L. Felton, MD
12:10 p.m. - 12:30 p.m.	**Innate Control of Autoimmune CD8 T Cells in Type 1 Diabetes** Xiaoxiao Wan, MD, PhD

SUNDAY, JUNE 22, 2025

11:30 a.m. - 12:30 p.m.

Professional Development

Theme Area: Professional Development

Session Number: PD-02-1

Getting the Career You Envision—How to Negotiate For What You Need (And Want)

Room: W186 A-C

SUNDAY, JUNE 22, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster09

What's New in Diabetes Technology?

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Brynn E. Marks, MD, MSHPEd

12:30 p.m. - 12:40 p.m.	**962-P Evaluating Type 1 Diabetes (T1D) Care across All Ages with the Automated Insulin Delivery Adaptive Network (AIDANET) System in Fully Closed Loop (FCL)** Presenting Author: Jasmine Y. Hosseinipour, BA
12:40 p.m. - 12:50 p.m.	**963-P Use of a Fully Closed Loop (FCL) System Improves Glycemic Outcomes in Youth and Adults with Type 1 Diabetes (T1D) Not Meeting Glycemic Goals** Presenting Author: Jenise C. Wong, MD, PhD
12:50 p.m. - 1:00 p.m.	**964-P Reducing Discordance between GMI and A1C Using AI** Presenting Author: Ali Alqahtani, MBBS
1:00 p.m. - 1:10 p.m.	**965-P Enhancing Diabetes Device Performance—Predictive Maintenance through Smart Sensor Integration** Presenting Author: Syed I. Hasan, .
1:10 p.m. - 1:20 p.m.	**966-P Real-World Impact of AI-driven CGM Platform on Glycemic Status in Type 2 Diabetes—A Retrospective Study** Presenting Author: Annie M. Raymond, MSc Food Science and Nutrition
1:20 p.m. - 1:30 p.m.	**967-P Decipher Y-Health Platform—Impact of Continuous Glucose Monitoring vs. Self-Monitored Blood Glucose on Glycemic Parameters and Behaviour Change through 12-Week Metabolic Review Program** Presenting Author: Brij M. Makkar, MD, FRCP, FACE

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, Priya Prahalad

SUNDAY, JUNE 22, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Epidemiology/Genetics

Session Number: ePoster10

You Know, You Manage—Diagnosis of Diabetes

Room: Exhibit Hall (Hall F2) ePoster Theater B

12:30 p.m. - 12:40 p.m.	**1317-P Problems with Diabetes and Prediabetes Classification and Coding** Presenting Author: Abdullah A. Noor, MD
12:40 p.m. - 12:50 p.m.	**1318-P Predicting Future Development of Type 2 Diabetes Using the EHR-Driven Dysglycemia Risk Score (D-RISK)** Presenting Author: Abrar Mamun, BA
12:50 p.m. - 1:00 p.m.	**1319-P Leveraging Routinely Collected Health Data and Social and Behavioral Determinants of Health in Building Machine-Learning Tools for Diabetes Screening** Presenting Author: Zhi Tu, MS
1:00 p.m. - 1:10 p.m.	**1320-P Diagnosing Diabetes and Assessing Its Prevalence in Patients Attending A&E in an Acute Hospital in England** Presenting Author: Edward B. Jude, MD, FRCP
1:10 p.m. - 1:20 p.m.	**1321-P Quantifying and Adjusting for Classification Uncertainty in Type 2 Diabetes Subtypes** Presenting Author: Tim Mori, MSc
1:20 p.m. - 1:30 p.m.	**1322-P A New Equation to Translate CGM Mean Glucose to HbA1c** Presenting Author: Michael Fang, PhD

Responsible Committee Member(s): Sagar Dugani

SUNDAY, JUNE 22, 2025

12:30 p.m. - 1:30 p.m.

General Poster Session

Session Number: GSP-02

Sunday General Poster Session

Room: Poster Hall (Hall F1)

12:30 p.m. - 1:30 p.m. **458-P Exploring the Momentary Lived Experience of Painful Diabetic Neuropathy in Type 1 Diabetes—A Mixed-Methods Study**
Presenting Author: Komal Kinger, MD

12:30 p.m. - 1:30 p.m. **459-P SYW06, a Small-Molecule Modulator of GPCRs, Improves Nerve Conduction Velocity in a Rhesus Monkey Model of Diabetic Peripheral Neuropathy**
Presenting Author: Zunyuan Yang, Master's Degree

12:30 p.m. - 1:30 p.m. **460-P Gender Differences in Nonlinear Cerebrovascular CO_2 Reactivity for Type 2 Diabetes Mellitus**
Presenting Author: Shyan-Lung Lin, PhD

12:30 p.m. - 1:30 p.m. **461-P Diagnostic Accuracy of One Physical Examination Test vs. Three for Diabetic Peripheral Neuropathy Screening**
Presenting Author: Abdulrhman Al Mulla, MD

12:30 p.m. - 1:30 p.m. **462-P A Study on the Relationship between Microcirculatory Dysfunction and the Risk of Microvascular Complications in Elderly Patients with Type 2 Diabetes Mellitus**
Presenting Author: Peiyi Zhao, Master's Degree

12:30 p.m. - 1:30 p.m. **464-P Non–high-density Lipoprotein-Cholesterol to High-Density Lipoprotein-Cholesterol Ratio (NHHR) as a Predictor of All-Cause and Cardiovascular Mortality in U.S. Adults with Diabetic Peripheral Neuropathy: NHANES 1999–2004**
Presenting Author: Qingyun Cai, Doctor

12:30 p.m. - 1:30 p.m. **465-P The Sweet Sting—Momentary Neuropathic Pain and Glucose Elevations**
Presenting Author: Kara R. Mizokami-Stout, MD

12:30 p.m. - 1:30 p.m. **466-P Exploration of Single Nucleotide Polymorphisms Associated with Small-Fiber Neuropathy**
Presenting Author: Hiroki Mizukami, MD, PhD

12:30 p.m. - 1:30 p.m. **467-P Hyperglyceamia-Indued Oxidative Stress Inflicted Enteric Glial Cells of Mice via the Novel Pathway Redoxosomes/p66shc Activation In Vivo and In Vitro**
Presenting Author: Jianbo Li, MD

12:30 p.m. - 1:30 p.m. **468-P The Course of Cardiac Autonomic Function in Recently Diagnosed Type 2 Diabetes over the Next Five Years Is Determined by Glycemic Control**
Presenting Author: Gidon J. Bönhof, MD

12:30 p.m. - 1:30 p.m. **469-P Therapeutic Potential of Imeglimin for Diabetic Neuropathy—Neuroprotective Effects in Type 1 Diabetic Rats**
Presenting Author: Wataru Nihei, PhD

12:30 p.m. - 1:30 p.m. **470-P Alterations in NMJ-Associated Stromal Cells in Diaphragms of Mice with Obesity and Type 2 Diabetes**
Presenting Author: Javed Ahamed Cumbum Syed, MBBS

12:30 p.m. - 1:30 p.m. **471-P Establishment and Validation of Rodent Models for Diabetic Neuropathy—A Robust Platform for Therapeutic Evaluation**
Presenting Author: Ying Li, MD, PhD

12:30 p.m. - 1:30 p.m. **491-P Factors of Mortality among Adult Diabetic Foot Patients in a Tertiary Government Hospital**
Presenting Author: Ana Rose G. Rabadan, MD

12:30 p.m. - 1:30 p.m. **492-P Validation of Compliance Monitoring Algorithm for RCWs and Contralateral Limb Lift Equalizer**
Presenting Author: Sai V. Yalla, PhD

12:30 p.m. - 1:30 p.m. **493-P Risk Factors for Failure of Autologous Cell Therapy in Patients with Diabetes and Chronic Limb-Threatening Ischemia**
Presenting Author: Dominika Sojáková, MD

12:30 p.m. - 1:30 p.m. **494-P Differences in Foot Care Skills and Foot Care Education between Veterans with Diabetic Neuropathy Alone and Veterans with a Healed Diabetic Foot Ulcer**
Presenting Author: Sundar Natarajan, MSc

12:30 p.m. - 1:30 p.m. **495-P Prospective, Randomized, Phase IV Clinical Trial Comparing a Novel Transforming Powder Dressing vs. Standard of Care in Treatment of Wagner Grade 1 and 2 Diabetic Foot Ulcers**
Presenting Author: Susan Rolniak St. John, MSN

12:30 p.m. - 1:30 p.m. **496-P Diabetic Foot Ulcer—Value of Bedside Blind Bone Biopsy and Bedside Toe Amputation Practiced by a Diabetologist on Major Inferior Limb Amputation Incidence**
Presenting Author: Florine Féron, MD

12:30 p.m. - 1:30 p.m. **497-P Longitudinal Evaluation of Metabolic and Biomechanical Changes in Type 2 Diabetes Mellitus—Insights from Follow-up Assessments**
Presenting Author: Ragini M. Rohatgi, MBBS, D. Diabetology

12:30 p.m. - 1:30 p.m. **498-P A Patient Navigator Program for Post-discharge Diabetic Foot Care**
Presenting Author: Jesica Flores, MD

12:30 p.m. - 1:30 p.m. **499-P Metformin Stimulates Human Adipose-Derived Stem Cells to Promote Angiogenesis—A Strategy for Diabetic Wound Treatment**
Presenting Author: Max von Suskil, BSc

12:30 p.m. - 1:30 p.m. **500-P Assessment of MRI Markers of Foot Perfusion and Microvascular Function in People with Diabetic Foot Ulcers (DFU) and Wound Healing**
Presenting Author: David A. Reiter, PhD

12:30 p.m. - 1:30 p.m. **501-P The Infected Diabetic Foot—Risk Factors and Clinical Outcomes for Nonhealing Foot Wounds**
Presenting Author: Mario C. Reyes, DPM

12:30 p.m. - 1:30 p.m. **502-P A Prospective Study of Incident Diabetic Foot Ulcer and Risk of Lower Extremity Amputation**
Presenting Author: Ibrahim S. Al-Busaidi, FRNZCGP, MB ChB, BMedSc(Hons), PGD Obesity

12:30 p.m. - 1:30 p.m. **503-P Demographic Comparison of Patients with Diabetic Foot Infection between Adjacent Health Care Systems**

Presenting Author: Amber Sherwood, BS

12:30 p.m. - 1:30 p.m. **505-P A Formative Evaluation to Improve Study Processes and Optimize a Tailored Intervention to Prevent Diabetic Foot Ulcer Recurrence—The Step Up to Avert Amputation Randomized Trial**

Presenting Author: Sophia Gunawan, .

12:30 p.m. - 1:30 p.m. **507-P Diabetic Foot Ulcer Outcomes between Patients with Type 1 (T1D) and Type 2 Diabetes (T2D)—A Retrospective Analysis**

Presenting Author: Jonathan E. Tyrrell, BS

12:30 p.m. - 1:30 p.m. **508-P Are Patients with Diabetic Foot Disease Safe at Home? Foot-Loading Changes in Association with Varied Flooring Surfaces**

Presenting Author: Ryan T. Crews, PhD, CCRP

12:30 p.m. - 1:30 p.m. **509-P WoundSCAtlas—A Comprehensive Single-Cell Atlas for Comparative Analysis of Wound Healing**

Presenting Author: Dahim Choi, MS

12:30 p.m. - 1:30 p.m. **510-P Educational Attainment and Inpatient Diabetic Foot Ulceration**

Presenting Author: Laura Lovell, MBBS MSc

12:30 p.m. - 1:30 p.m. **569-P Sociodemographic Factors and Diabetes Status Associated with Physical Activity Sources from NHANES**

Presenting Author: Soohyun Nam, PhD, APRN, ANP-BC, FAHA, FAAN

12:30 p.m. - 1:30 p.m. **570-P Exercise Determinants Influence Quality of Life and Fear of Hypoglycemia in Well-Controlled Youth with Type 1 Diabetes**

Presenting Author: Roberto Codella, PhD

12:30 p.m. - 1:30 p.m. **571-P Association of Physical Activity with Hospitalizations by Glycemic Status and Peripheral Artery Disease—The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Presenting Author: Sarah K. Alver, PhD

12:30 p.m. - 1:30 p.m. **572-P Identifying Insulin and Non–Insulin-Mediated Mechanisms during Physical Activity from Real-World T1D Data**

Presenting Author: Eleonora Maria Aiello, PhD

12:30 p.m. - 1:30 p.m. **573-P Pre-exercise Whey Protein Ingestion to Mitigate Exercise-Induced Hypoglycemia in Adults with Type 1 Diabetes**

Presenting Author: Dale Morrison, PhD

12:30 p.m. - 1:30 p.m. **574-P A Comparison of the Effects of Morning and Afternoon Exercise on Glucose Control in People with Type 1 Diabetes—A Randomized Crossover Trial**

Presenting Author: Yasmine Hamdan, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **575-P Development of a Complex Intervention to Improve Physical Activity Levels in People with Young-Onset Type 2 Diabetes (18–40 Years)—Evidence- and Theory-Based Codesign Approach**

Presenting Author: Xiaoyan Zhao, MSc

12:30 p.m. - 1:30 p.m. **576-P Culturally Tailored Exercise Intervention for Sustained Weight Loss and Increased Functional Mobility in Obese African-American Women**

Presenting Author: Henri Parson, PhD

12:30 p.m. - 1:30 p.m. **577-P Association of Prolonged Sedentary Behavior with Glycemic Profiles in Individuals with Type 1 Diabetes**
Presenting Author: Hiroto Honda, PT, PhD

12:30 p.m. - 1:30 p.m. **578-P Resistance Training Prevents the Progression of Diabetec Nephropathy in Patients with 2 Diabetes**
Presenting Author: Takafumi Osaka, MD, PhD

12:30 p.m. - 1:30 p.m. **580-P Engagement across DiabetesWise—A Platform for Support around Diabetes Technology and Exercise**
Presenting Author: Ana L. Cortes-Navarro, BS

12:30 p.m. - 1:30 p.m. **581-P Targeting REV-ERBα to Enhance Glucose Regulation and Address Aging-Related Muscle Dysfunction**
Presenting Author: Adelino S. R. da Silva, PhD

12:30 p.m. - 1:30 p.m. **582-P Enhancing ABC Target Achievement in Type 2 Diabetes through Integrated Intensive Lifestyle Interventions—A One-Year Study in an Indian Population**
Presenting Author: Pramod Tripathi, MBBS

12:30 p.m. - 1:30 p.m. **583-P Impact of Online Supervised Nine-Day Progressive Fasting Program on Anthropometric and Glycemic Outcome in Patients with Type 2 Diabetes**
Presenting Author: Pramod Tripathi, MBBS

12:30 p.m. - 1:30 p.m. **584-P Impact of Diet on Gingival Crevicular Fluid Microbiome and Metabolome in People with Type 1 Diabetes**
Presenting Author: Michal Kania, MD

12:30 p.m. - 1:30 p.m. **585-P Pilot Study on AI-Based Automatic Carbohydrate Counting for Chinese Americans with Type 2 Diabetes**
Presenting Author: Yaguang Zheng, PhD

12:30 p.m. - 1:30 p.m. **586-P Effects of Replacing Diet Beverages with Water on Sustained Weight Loss and Type 2 Diabetes Remission—An 18-Month Randomized Clinical Trial**
Presenting Author: Mohammad Mehdi Farshchi Nasr, BSc

12:30 p.m. - 1:30 p.m. **587-P Impaired Arginine, Citrulline, and Glutamine Metabolism in Type 2 Diabetes (T2D)—Insights from a Stable Isotope Study**
Presenting Author: Mustafa Tosur, MD

12:30 p.m. - 1:30 p.m. **588-P Nutrient Intake Order on Metabolic Outcomes in Type 2 Diabetes—A Systematic Review and Meta-analysis**
Presenting Author: Talita Trevisan, .

12:30 p.m. - 1:30 p.m. **589-P Using One-Shot Prompting of Fine-Tuned Commercial Artificial Intelligence Models to Assess Nutrients from Photographs of Japanese Meals**
Presenting Author: Daniel Lane, MS, MBA, BS

12:30 p.m. - 1:30 p.m. **590-P Improved Carbohydrate Quality Associated with Better Glycemic Control in Individuals with Type 1 Diabetes**
Presenting Author: Hechun Liu, PhD

12:30 p.m. - 1:30 p.m. **591-P Assessment of Diabetes Medical Provider Perceptions and Practices Regarding Medical Nutrition Therapy in Pediatric Type 1 Diabetes**
Presenting Author: Svetlana Azova, MD

12:30 p.m. - 1:30 p.m. **592-P Metabolic Effects of Time-Restricted Eating and Exercise**

Presenting Author: Julienne Sanchez Perez, MD

12:30 p.m. - 1:30 p.m. **593-P Preoperative Carbohydrate Loading Supports Blood Glucose in Patients with Diabetes Undergoing Cardiac Surgery**

Presenting Author: Kirk W. Kerr, PhD

12:30 p.m. - 1:30 p.m. **594-P Non-nutritive Sweetener Consumption in Youth with Type 1 Diabetes**

Presenting Author: Annie Gladding, DO

12:30 p.m. - 1:30 p.m. **595-P Hypertension Management in Individuals Participating in Carbohydrate-Restricted Nutrition Therapy**

Presenting Author: Shaminie J. Athinarayanan, PhD

12:30 p.m. - 1:30 p.m. **596-P Effects of a Very-Low-Calories Ketogenic Diet on Visceral Adipose and Muscular Tissues in Comparison with a Mediterranean Dietary Intervention**

Presenting Author: Alberto Battezzati, MD, PhD

12:30 p.m. - 1:30 p.m. **597-P Vegan Diet and Processed Foods—A Secondary Analysis of a Randomized Clinical Trial**

Presenting Author: Hana Kahleova, MD, PhD, MBA

12:30 p.m. - 1:30 p.m. **598-P The Glycemic Impact of Whey Protein Ingestion in Adults with Type 1 Diabetes**

Presenting Author: Giang Dao, BSc (Hons)

12:30 p.m. - 1:30 p.m. **599-P Effects of Vitamin D Supplementation on Inflammatory and Metabolic Biomarkers in Patients with Type 2 Diabetes—A Systematic Review**

Presenting Author: Anaclara Reis Melo da Costa, MSc Student in Nutritional Sciences

12:30 p.m. - 1:30 p.m. **600-P The Healthy Gut Diet for Preventing Gestational Diabetes Improves Dietary Intake and Diet Quality**

Presenting Author: Hannah M. O'Connor, .

12:30 p.m. - 1:30 p.m. **727-P A Phase 3 Evaluation of CAMP-Biased GLP-1 Analog Ecnoglutide vs. Dulaglutide in Adults with Type 2 Diabetes**

Presenting Author: Susan Xu, MD, PhD

12:30 p.m. - 1:30 p.m. **728-P Metabolomic Profiling of Obese Patients Treated with Liraglutide Suggests Its Role in Modulating Inflammation**

Presenting Author: Alice Murphy, PhD

12:30 p.m. - 1:30 p.m. **729-P Retrospective Effects of GLP-1 Receptor Agonists with and without Concomitant SGLT2 Inhibitor Use in Diabetic Renal Transplant Recipients after 12 Months**

Presenting Author: Francisca M. Acosta, PhD

12:30 p.m. - 1:30 p.m. **730-P Efficacy and Safety of Tirzepatide Added to Basal Insulin in Chinese Patients with Type 2 Diabetes (SURPASS-CN-INS)**

Presenting Author: Lixin Guo, MD

12:30 p.m. - 1:30 p.m. **732-P Real-World Impact of Oral Semaglutide (SEMA) vs. DPP-4 Inhibitors on Weight, BMI, and HbA1c Outcomes in Type 2 Diabetes (T2D)—An Observational Study (PAUSE)**

Presenting Author: James Amamoo, MSc

12:30 p.m. - 1:30 p.m. **733-P Efficacy of a Novel Oral Amylin Analog and the Development of an Oral GLP-1/Amylin Coformulated Tablet to Produce High In Vivo Plasma Exposures**
Presenting Author: Martijn Fenaux, PhD

12:30 p.m. - 1:30 p.m. **734-P VRB101 Is a Potent Oral GLP-1 Tablet with Once-Weekly Dosing Potential**
Presenting Author: Martijn Fenaux, PhD

12:30 p.m. - 1:30 p.m. **735-P Impact of Glucagon-Like Peptide 1 Receptor Agonists (GLP-1RAs) on Survival among Cancer Survivors with Type 2 Diabetes**
Presenting Author: Ying Lu, BA

12:30 p.m. - 1:30 p.m. **736-P Association of Glucagon-Like Peptide 1 Receptor Agonists with Cancer Risk in Older Adults with Type 2 Diabetes**
Presenting Author: Ying Lu, BA

12:30 p.m. - 1:30 p.m. **737-P HDM1002 in Chinese Adults with Overweight or Obesity—A Randomized, Placebo-Controlled, Four-Week, Phase 1b Study**
Presenting Author: June Xu, Doctor

12:30 p.m. - 1:30 p.m. **738-P Efficacy and Safety of Efsubaglutide Alfa in Patients with Obesity or Overweight —A Phase 2 Study**
Presenting Author: Qinghua Wang, MD, PhD

12:30 p.m. - 1:30 p.m. **739-P Post Hoc Analysis of Efsubaglutide Alfa Monotherapy and Combined Therapy with Metformin in T2D Patients by Baseline Characteristics**
Presenting Author: Qinghua Wang, MD, PhD

12:30 p.m. - 1:30 p.m. **740-P Diabetes Remission in Drug-Naïve Patients with Type 2 Diabetes (T2D) after Efsubaglutide Alfa Treatment**
Presenting Author: Qinghua Wang, MD, PhD

12:30 p.m. - 1:30 p.m. **741-P Impact of Virtual Patient Simulation on Improving T2D Treatment Intensification by PCPs**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **742-P Impact of Virtual Patient Simulation on Improving T2D Diagnosis and Management**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **743-P Efficacy and Safety of VCT220 in Chinese Adults with Overweight or Obesity**
Presenting Author: Linong Ji, MD

12:30 p.m. - 1:30 p.m. **744-P Efficacy and Safety of BGM0504 in Chinese Patients with Obesity—A Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase 2 Trial**
Presenting Author: Linong Ji, MD

12:30 p.m. - 1:30 p.m. **745-P Efficacy and Safety of RAY1225 Once Every Two Weeks in Chinese Adults with Obesity or Overweight (REBUILDING-1)**
Presenting Author: Linong Ji, MD

12:30 p.m. - 1:30 p.m. **746-P Time in Tight Range with Oral Semaglutide as an Add on to SGLT2i and Metformin Combination in People with Type 2DM—Real-World Evidence from India**
Presenting Author: Sonali A. Patange, MBBS, D.Diabetology

12:30 p.m. - 1:30 p.m. **747-P Bedtime NPH Insulin and DPP-4 Enzyme Inhibitor (sitagliptin) Increase Cholesterol Removal from Macrophages**
Presenting Author: Aritania S. Santos, PhD

12:30 p.m. - 1:30 p.m. **748-P Noninvasive Tests of Central Adiposity Correlate with Reductions in MRI-Measured Visceral Adipose Tissue Mass in Subjects with Overweight or Obesity Treated with Pemvidutide**
Presenting Author: Shaheen Tomah, MD

12:30 p.m. - 1:30 p.m. **749-P Integrated Analysis Supports Cardiovascular Safety and Risk Reduction with Pemvidutide Treatment**
Presenting Author: Shaheen Tomah, MD

12:30 p.m. - 1:30 p.m. **750-P ASC30, an Oral GLP-1R Biased Small Molecule Agonist in Participants with Obesity—A First-in-Human Single Ascending Dose Study**
Presenting Author: Jinzi Jason Wu, PhD

12:30 p.m. - 1:30 p.m. **751-P The Risk of Acute Pancreatitis and Biliary Events after Initiation of GLP-1RA, SGLT2i, or DPP-4i in Patients with T2D**
Presenting Author: Yichen E. Fang, BA,BS

12:30 p.m. - 1:30 p.m. **752-P Efficacy and Safety of Bofanglutide (GZR18), a Biweekly GLP-1RA, Compared with Semaglutide in Chinese Patients with T2D**
Presenting Author: Haiya Wu, PhD

12:30 p.m. - 1:30 p.m. **753-P Safety, Tolerability, PK, and Efficacy of MET097—A Next-Generation Nutrient-Stimulated Hormone Peptide Analog for Chronic Weight Management**
Presenting Author: Steven P. Marso, MD

12:30 p.m. - 1:30 p.m. **754-P Development of a Novel One-Month Long-Acting Injectable Semaglutide (IVL3021) and Tirzepatide (IVL3024) with Well-Controlled Pharmacokinetic Profiles and Enhanced Quality of Life Window**
Presenting Author: Ju Hee Kim, PhD

12:30 p.m. - 1:30 p.m. **755-P Metabolic Adaptation of Liver with Treatment of HM15275, a Long-Acting GLP-1/GIP/Glucagon Triple Agonist, Supporting Lean Mass Preservation**
Presenting Author: Hosun Lee, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **756-P Real-World Data Comparing the Effectiveness of Injectable vs. Oral Semaglutide —Association of British Clinical Diabetologist (ABCD) National Audit**
Presenting Author: Kyaw Linn Su Khin, MBBS, M.Med.Sc (Int Med), MRCP (UK), SCE

12:30 p.m. - 1:30 p.m. **757-P Comparative Glycemic Effectiveness of Four Second-Line Glucose-Lowering Medications in Type 2 Diabetes Mellitus**
Presenting Author: Elisabetta Patorno, MD, DrPH

12:30 p.m. - 1:30 p.m. **758-P Titration to Maintenance Doses of GLP-1R Agonists for Overweight and Obesity Is Suboptimal for Majority of Patients—Evidence from a Real-World Claims Dataset**
Presenting Author: Shannon Armstrong, MSc

12:30 p.m. - 1:30 p.m. **759-P Effects of Once-Weekly Utreglutide (GL0034) in Individuals with Overweight and Obesity on Lipid Metabolism—A 10-Week Exploratory Proof-of-Concept Study**
Presenting Author: Rajamannar Thennati, PhD

12:30 p.m. - 1:30 p.m. **760-P Real-World Efficacy of Combined SGLT2i and GLP-1RA Therapy in Elderly Patients with Type 2 Diabetes and Obesity**

Presenting Author: Anna Ferrulli, MD, PhD

12:30 p.m. - 1:30 p.m. **761-P The Novel Dual GIP and GLP-1 Receptor Agonist Tirzepatide Attenuate Colon Cancer Development by Targeting HIF-1α Mediated Glucose Metabolism**
Presenting Author: Yikai Zhang, PhD

12:30 p.m. - 1:30 p.m. **762-P Semaglutide Improves Intestinal Barrier Function in T2D—A Double-Blind Randomized Controlled Trial (RCT)**
Presenting Author: Marjan Rezaei, MD

12:30 p.m. - 1:30 p.m. **763-P Glycemic Control, Weight Reduction, and Safety with CT-388, a Signal-Biased Dual GLP-1/GIP Receptor Agonist—Results from a 12-Week Cohort in Adults with Obesity and Type 2 Diabetes**
Presenting Author: Manu Chakravarthy, MD, PhD

12:30 p.m. - 1:30 p.m. **764-P Long-Term (24-Month) Follow-up of Indian T2DM Patients on Oral Semaglutide**
Presenting Author: Supratik Bhattacharyya, MD, MRCP(UK), FRCPEdin, FACP, FACE

12:30 p.m. - 1:30 p.m. **765-P Therapeutic NuSH Cocktails—Coadministration of Ultra-Long-Acting GLP-1, GIP, Glucagon, and Amylin Peptide Analogs Induce Profound Weight Loss in DIO Mice**
Presenting Author: Robert Hansford, PhD

12:30 p.m. - 1:30 p.m. **766-P GLP-1RA, Oral Formulation and Its Preclinical Evaluations**
Presenting Author: Jin Jung, PhD

12:30 p.m. - 1:30 p.m. **767-P No Effect of Food or Proton Pump Inhibitor on the Pharmacokinetics of TERN-601, an Oral Small Molecule GLP-1 Receptor Agonist**
Presenting Author: Cara H. Nelson, PhD

12:30 p.m. - 1:30 p.m. **768-P Glucagon-Like Peptide 1 Receptor Agonists and the Risk of Motility-Related Gastrointestinal Adverse Events—A Cohort Study**
Presenting Author: Wajd Alkabbani, PhD

12:30 p.m. - 1:30 p.m. **769-P Bofanglutide (GZR18), a Novel GLP-1RA, Improved Glycemic Control and Cardiometabolic Risk Factors in Chinese Patients with T2D**
Presenting Author: Wenda Li, PhD

12:30 p.m. - 1:30 p.m. **770-P Persistence of Prescription Gaps of SGLT2i and GLP-1RA in Type 2 Diabetes and Cardiorenal Disease—A Current Global Perspective**
Presenting Author: Shubham Agarwal, MD

12:30 p.m. - 1:30 p.m. **771-P Meta-analysis of hsCRP's Effect on Cardiovascular Outcome among GLP-1RAs–Based Clinical Trials**
Presenting Author: Lin Luo, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **772-P Cognitive Outcomes in Adults Treated with GLP-1 Receptor Agonists Compared with Nonusers—A Retrospective Chart Review**
Presenting Author: Clayton A. Dehn, MS, PhD (student)

12:30 p.m. - 1:30 p.m. **773-P Effect of Glucagon-Like Peptide 1 Receptor Agonists Compared with Basal Insulin in Severely Uncontrolled Type 2 Diabetes**
Presenting Author: Jeffrey Student, MD

12:30 p.m. - 1:30 p.m. **774-P Robust Antiobesity Effect and Mechanistic Insights of HM15275, a Novel Long-Acting GLP-1/GIP/Glucagon Triple Agonist in Animal Model of Obesity**

Presenting Author: Sang Hyun Park, PhD

12:30 p.m. - 1:30 p.m. **775-P Mazdutide, a Dual GLP-1R/GCGR Agonist, Reduces Hyperuricemia by Modulating Energy and Lipid Metabolism and Inhibiting Hepatic Purine Metabolism**
Presenting Author: Hongwei Jiang, PhD

12:30 p.m. - 1:30 p.m. **777-P The Dual Glucagon and Glucagon-Like Peptide 1 Receptor Agonist Mazdutide Outbalanced Glucagon-Like Peptide 1 Receptor Agonist Semaglutide Monotherapy in Improving Mice Liver Fat Accumulation**
Presenting Author: Qi Wu, Master's Degree

12:30 p.m. - 1:30 p.m. **778-P Pemvidutide, a Balanced GLP-1/Glucagon Dual Receptor Agonist, Enhances Reverse Cholesterol Transport in a Golden Syrian Hamster Model**
Presenting Author: John J. Suschak, PhD

12:30 p.m. - 1:30 p.m. **779-P Cardiovascular Outcomes Associated with Dulaglutide, Exenatide, Liraglutide, and Semaglutide in Adults with Type 2 Diabetes at Moderate Cardiovascular Risk**
Presenting Author: Stacey Sklepinski, BA

12:30 p.m. - 1:30 p.m. **780-P Comparative Risk of Adverse Pancreatic Events with Second-Line Glucose-Lowering Therapies in Adults with Type 2 Diabetes at Moderate Cardiovascular Disease Risk**
Presenting Author: Urja Kalathiya, BS

12:30 p.m. - 1:30 p.m. **781-P Structural Modeling of GLP-1R Variants Interactions with Tirzepatide Using AI Tools—A Precision Diabetes Management Method**
Presenting Author: Anwar Mohammad, PhD

12:30 p.m. - 1:30 p.m. **782-P Once-Weekly Semaglutide vs. Placebo for the Treatment of Type 2 Diabetes and Chronic Kidney Disease in Denmark—A Long-Term Cost-Effectiveness Analysis Based on Flow**
Presenting Author: Peter Rossing, MD, DMSc

12:30 p.m. - 1:30 p.m. **783-P Elucidating the Benefit of Pump-Delivered Subcutaneous GLP-1R Agonist—Exploratory Study in the DIO Mouse**
Presenting Author: Louise Thisted, MSc

12:30 p.m. - 1:30 p.m. **784-P The First Real-World Experience of the Effectiveness and Safety of Tirzepatide in Improving Metabolic Parameters in Type 2 Diabetes—A Six-Month Observational Study from India**
Presenting Author: Purvi M. Chawla, MBBS, MS, D. DIAB

12:30 p.m. - 1:30 p.m. **785-P First Report on the Small Molecule Oral GLP-1 Receptor Agonist RGT-075 in Obesity—A Randomized, Placebo-Controlled Phase 2a Proof-of-Concept Twelve-Week Study**
Presenting Author: Julio Rosenstock, MD

12:30 p.m. - 1:30 p.m. **786-P Demographic and Clinical Characteristics Associated with Real-World Persistence on Semaglutide for Weight Management in the USA**
Presenting Author: William H. Polonsky, PhD, CDCES

12:30 p.m. - 1:30 p.m. **787-P GLP-1 Receptor Agonists as Monotherapy Lowered BMI Z-Score in Youth Newly Diagnosed with Type 2 Diabetes**
Presenting Author: Isaac Tejeji, BS

12:30 p.m. - 1:30 p.m. **788-P A Twelve-Week Trial of MET097—A Potent and Ultra-Long-Acting GLP-1 Receptor Agonist**

Presenting Author: Robert Stoekenbroek, MD, PhD

12:30 p.m. - 1:30 p.m. **789-P The Use of Antiobesity Medications and the Increased Risk of Alopecia—A Meta-analysis of Randomized Controlled Trials**
Presenting Author: Ruoyang Jiao, MD

12:30 p.m. - 1:30 p.m. **790-P Paradigm Shifts in GLP-1 Receptor Agonist Use Amongst Patients with Type 2 Diabetes in the United States**
Presenting Author: Jackson Lee, BA

12:30 p.m. - 1:30 p.m. **791-P Study of Serum Adiponectin Levels in Type 2 Diabetes Mellitus Patients and Its Correlation with Clinical Parameters**
Presenting Author: Mukhyaprana M. Prabhu, MD FRCP(Edin) FACP FRCP(Ire) FICPFAIMER I FACE 202

12:30 p.m. - 1:30 p.m. **792-P Effect of Bone Metabolism and the Efficacy of Evogliptin and Dapagliflozin for Blood Sugar in the Menopause Female Patients with Type 2 Diabetes—A Multicenter Randomized Exploratory Clinical Trial**
Presenting Author: Hyun Jin Ryu, MD

12:30 p.m. - 1:30 p.m. **793-P Disparities in Adoption of Drugs with Cardiovascular and Renal Benefits**
Presenting Author: Hugo A. Torres, MD

12:30 p.m. - 1:30 p.m. **794-P MET-097: Preclinical Characterization of a Potent and Ultra-Long-Acting GLP-1 Receptor Agonist**
Presenting Author: Charlotte Hinds, PhD

12:30 p.m. - 1:30 p.m. **795-P Efficacy and Safety of RAY1225 Once Every Two Weeks in Chinese Adults with Type 2 Diabetes (SHINING-1)**
Presenting Author: Haijun Li, Master's Degree

12:30 p.m. - 1:30 p.m. **796-P Interactive Education Increases Likelihood of Guideline-Based Incretin Therapy Prescribing in T2D**
Presenting Author: Erika Brechtelsbauer, PhD

12:30 p.m. - 1:30 p.m. **797-P Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of HRS9531 Tablet, an Oral Dual GLP-1/GIP Receptor Agonist, in Healthy Participants—A Phase 1 Study**
Presenting Author: Xiaoling Yu, Doctor

12:30 p.m. - 1:30 p.m. **798-P Semaglutide Effect during Mixed-Meal Tolerance Test (MMTT) with Fully Closed-Loop Therapy in Type 1 Diabetes (T1D)**
Presenting Author: Michael Tsoukas, MD

12:30 p.m. - 1:30 p.m. **799-P Cellular Characterisation of Signalling and Receptor Trafficking Induced by MET-097, a G Protein-Biased GLP-1R Agonist**
Presenting Author: Billy P. Baxter, PhD

12:30 p.m. - 1:30 p.m. **834-P A Meta-analysis of Novel Glucose-Lowering Therapies in Kidney Transplant Recipients with Diabetes**
Presenting Author: Talita Trevisan, .

12:30 p.m. - 1:30 p.m. **835-P Assessing the Adverse Drug Reactions for TZIELD (Teplizumab) in Type 1 DM Patients—A Pharmacovigilance Study**
Presenting Author: Arunima Sharma, MBBS

12:30 p.m. - 1:30 p.m. **836-P Glucagon-Like Peptide 1 Receptor Agonists Use during Ramadan Fasting in People with Type 1 Diabetes—Observational Study**
Presenting Author: Mohammad Irshad, PhD

12:30 p.m. - 1:30 p.m. **837-P Efficacy and Safety of a Novel Oral Small Molecule Glucagon-Like Peptide 1 Receptor Agonist (HRS-7535) in Type 2 Diabetes Mellitus Patients Inadequately Controlled by Metformin**
Presenting Author: Lixin Guo, MD

12:30 p.m. - 1:30 p.m. **838-P Changes in Clinical Measures in U.S. Adults with Type 2 Diabetes (T2D) and Chronic Kidney Disease (CKD) Who Received Once-Weekly (OW) Semaglutide**
Presenting Author: James Amamoo, MPH

12:30 p.m. - 1:30 p.m. **839-P Efficacy and Safety of HDG1901 vs. Ozempic in Patients with Type 2 Diabetes (T2D)—A Randomized, Open-Label, Bioequivalence Phase 3 Trial**
Presenting Author: June Xu, PhD

12:30 p.m. - 1:30 p.m. **840-P TN-10 Extension Study—Teplizumab following Stage 3 Type 1 Diabetes Diagnosis in Participants from the TN-10 Trial**
Presenting Author: Michael J. Haller, MD

12:30 p.m. - 1:30 p.m. **841-P Real-World Effectiveness of Finerenone in Indian Patients with Type 2 Diabetes Mellitus (T2DM) and Chronic Kidney Disease (CKD)**
Presenting Author: Sonali A. Patange, MBBS, D.Diabetology

12:30 p.m. - 1:30 p.m. **842-P A Novel CRFR2-Selective UCN2 Analog, HM17321, Improves Glycemic Control across Multiple Preclinical Models**
Presenting Author: Seon Myeong Lee, MS

12:30 p.m. - 1:30 p.m. **843-P A Novel CRFR2 Selective UCN2 Analog, HM17321, Facilitates Weight Loss and Improves Body Composition across Animal Models of Obesity**
Presenting Author: Seon Myeong Lee, MS

12:30 p.m. - 1:30 p.m. **844-P Association between Preoperative GLP-1RA Use and Postoperative Respiratory Complications in Real-World Patients Undergoing Elective Surgical Procedures—A Target Trial Emulation Study**
Presenting Author: Pareeta Kotecha, PharmD, MS

12:30 p.m. - 1:30 p.m. **845-P MBX 1416, a Selective GLP-1 Antagonist, Elevates and Sustains Blood Glucose in Rats without Change in Body Weight**
Presenting Author: Elisa Fabbrini, MD, PhD

12:30 p.m. - 1:30 p.m. **846-P Safety and Pharmacokinetics of MBX 1416, a Glucagon-Like Peptide 1 Receptor Antagonist, in Healthy Volunteers—A Phase 1 Randomized Trial**
Presenting Author: Elisa Fabbrini, MD, PhD

12:30 p.m. - 1:30 p.m. **847-P ASC47, a Muscle-Preserving Weight Loss Drug Candidate for Obesity, in Combination with Semaglutide, Demonstrated Superior Weight Loss to Semaglutide Monotherapy in a Preclinical Model**
Presenting Author: Jinzi Jason Wu, Doctor

12:30 p.m. - 1:30 p.m. **848-P The Antidiabetic Medication Treatment Patterns in Chinese Patients with Type 2 Diabetes—Real-World Evidence from ICaReMe China Registry Study**
Presenting Author: Han Wu, Doctor

12:30 p.m. - 1:30 p.m. **849-P Eloralintide (LY3841136), a Selective Amylin Mimetic, Lowered Body Weight with Improved Quality of Weight Loss and GI Tolerability in Rats Compared with**

Cagrilintide

Presenting Author: Daniel A. Briere, Master's Degree

12:30 p.m. - 1:30 p.m. **850-P Comparision of Efficacy on MASLD between GLP-1RA and SGLT2i—A Real-World Study**

Presenting Author: Weixia Sun, MD

12:30 p.m. - 1:30 p.m. **851-P A Phase 1, Double-Blind, Placebo-Controlled Single- and Multiple-Ascending Dose Study of the Novel Lipidated IL-22 Receptor Agonist CK-0045 in Adults with and without Obesity**

Presenting Author: Martijn van de Bunt, MD, DPhil

12:30 p.m. - 1:30 p.m. **852-P Factors Associated with the Use of Adjunct-to-Insulin Glucose-Lowering Agents in Patients with Type 1 Diabetes Mellitus**

Presenting Author: Jessica Liu, MD

12:30 p.m. - 1:30 p.m. **853-P Efficacy and Safety of a Novel Dual GLP-1/GIP Receptor Agonist (HRS9531), in Obese Adults without Diabetes—Up to 52-Week Treatment**

Presenting Author: Lin Zhao, PhD

12:30 p.m. - 1:30 p.m. **855-P Dorzagliatin Increases Hepatic UDP Glucose Flux via the Direct Pathway in Type 2 Diabetes—New Glucokinase Activator for Type 2 Diabetes?**

Presenting Author: Uma S. Unni, PhD

12:30 p.m. - 1:30 p.m. **856-P Efficacy and Safety of Early Treatment Intensification Guided by Glycated Albumin in Newly Diagnosed Type 2 Diabetes—A Multicentre, Randomized Clinical Trial**

Presenting Author: Qian Ren, MD

12:30 p.m. - 1:30 p.m. **857-P Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of GUBamy, a Novel Long-Acting Amylin Analogue—A Single Ascending Dose Trial**

Presenting Author: Stine Jørgensen, PhD

12:30 p.m. - 1:30 p.m. **858-P Potential Drug Treatment for Type 2 Diabetes Using Glutathione and S-nitrosoglutathione**

Presenting Author: Sophia Bryan, PhD

12:30 p.m. - 1:30 p.m. **859-P GLP-1 Receptor Agonists vs. DPP-4 Inhibitors and SGLT2 Inhibitors on Liver Outcomes in Metabolic Dysfunction–Associated Steatotic Liver Disease**

Presenting Author: Jyotirmoy Sarker, MPharm, MBA, MBiotech

12:30 p.m. - 1:30 p.m. **860-P The Impact of a Novel Digital Therapeutics Product on Glycemic Control among Saudi Patients with Diabetes**

Presenting Author: Abdulmohsen M. K. Bakhsh, MD

12:30 p.m. - 1:30 p.m. **861-P Targeting Activin Type II Receptors—Develop Monoclonal Antibodies LAE102, LAE103, and LAE123 as Candidate Therapeutics for Muscle Growth and Fat Reduction**

Presenting Author: Ruipeng Zhang, PhD

12:30 p.m. - 1:30 p.m. **862-P Notch Signaling Inhibitor ADPO-002 Upregulates UCP1 Expression in Mice and Human Adipose Tissue Explants**

Presenting Author: Muhammad Raisul Abedin, PhD

12:30 p.m. - 1:30 p.m. **863-P A Multicenter, Randomized, Open-Label, Controlled Study on Evaluating the Efficacy and Safety of Switching from Daily DPP-4 Inhibitors to Cofrogliptin in Patients with Type 2 Diabetes Mellitus in China**
Presenting Author: Congqing Pan, MD

12:30 p.m. - 1:30 p.m. **864-P Effect of Imeglimin on Periodontitis in Streptozotocin-Induced Diabetic Rats**
Presenting Author: Shun Kondo, PhD DDS

12:30 p.m. - 1:30 p.m. **865-P Efficacy and Safety of a Novel Oral Small Molecule GLP-1RA in Chinese Obese Adults without Diabetes**
Presenting Author: Weijun Gu, MD

12:30 p.m. - 1:30 p.m. **866-P The Apelin Receptor Agonist Azelaprag Shows Cardioprotective Effects as Monotherapy and Enhanced Benefits with Semaglutide in a Diet-Induced Obesity Model of Heart Failure with Preserved Ejection Fraction**
Presenting Author: Paul Rubin, MD

12:30 p.m. - 1:30 p.m. **868-P Attempts to Identify Predictors of Glycemic Control with Imeglimin—Machine Learning Analysis Using Clinical Trial Data**
Presenting Author: Katsuhiko Hagi, PhD

12:30 p.m. - 1:30 p.m. **869-P OGAP-Diabetes—Proteomics-Based Target Discovery Platform for Type 2 Diabetes**
Presenting Author: Benjamin Thomas, PhD chemistry

12:30 p.m. - 1:30 p.m. **870-P Combination Therapy of Icovamenib and Semaglutide Enhances Body Weight Loss and Glycemic Control While Increasing Lean Mass in a Type 2 Diabetes Animal Model**
Presenting Author: Priyanka Somanath, PhD

12:30 p.m. - 1:30 p.m. **871-P In a Long-Term Preclinical Study, the Novel Antidiabetic Peptide Insparin Produces Better Glycemic Control Than Pioglitazone and Promotes Fat Loss**
Presenting Author: Sara Ranjbar, MSc

12:30 p.m. - 1:30 p.m. **872-P Efficacy and Safety of Crisugabalin in Chinese Patients with Diabetic Peripheral Neuropathic Pain and Inadequate Response to Pregabalin—A Phase 2 Randomized Clinical Trial**
Presenting Author: Chao Zheng, PhD

12:30 p.m. - 1:30 p.m. **874-P Efficacy and Safety of a Novel Dual GLP-1/GLP Receptor Agonist in Chinese Overweight or Obese Adults without Diabetes**
Presenting Author: Jiaqiang Zhou, MD

12:30 p.m. - 1:30 p.m. **875-P Baseline Characteristics for FINE-ONE—A Randomized Phase III Trial Assessing Finerenone in People with T1D and CKD**
Presenting Author: Hiddo L. Heerspink, PhD

12:30 p.m. - 1:30 p.m. **876-P Pulsed Electric Field–Induced Duodenal Recellularization Impact on Insulin Sensitivity and Beta-Cell Function—Results from REGENT-1, an Open-Label, Prospective Study in Type 2 Diabetes**
Presenting Author: Elif I. Ekinci, Professor

12:30 p.m. - 1:30 p.m. **877-P Age-Related and Sex Differences in the Effectiveness of Novel Antidiabetic Agent Imeglimin in Japanese Type 2 Diabetes Patients**
Presenting Author: Masataka Kusunoki, MD, PhD

12:30 p.m. - 1:30 p.m. **878-P A Randomized, Double-Blind, Placebo-Controlled Phase 1 Study of Adiponectin Agonist (PEG)-BHD1028 in Subjects with Insulin Resistance**
Presenting Author: Pablo Lapuerta, MD

12:30 p.m. - 1:30 p.m. **879-P Metformin Improves Brain Glucose Uptake, Network Connectivity, and Volume Concurrent to Improved Working Memory and Processing Speed in Insulin-Resistant Older Adults**
Presenting Author: Gregory Ruegsegger, PhD

12:30 p.m. - 1:30 p.m. **880-P Effects of Energy Dosing on Safety and Efficacy in an Open-Label Study of Endoscopic Pulsed Electric Field Induced Electroporation in Type 2 Diabetes (REGENT-1 Trial)**
Presenting Author: David N. O'Neal, MD

12:30 p.m. - 1:30 p.m. **881-P BCG Clinical Trial Programs in Advanced Type 1 Diabetes—2025 Update**
Presenting Author: Denise L. Faustman, MD, PhD

12:30 p.m. - 1:30 p.m. **882-P Eloralintide, a Selective, Long-Acting Amylin Receptor Agonist for Obesity—Phase 1 Proof of Concept**
Presenting Author: Edward J. Pratt, MD

12:30 p.m. - 1:30 p.m. **883-P Metabolic Endotoxemia and Gut Microbiota Associated with Therapeutic Responses to Metformin in Type 2 Diabetes**
Presenting Author: Wei Wen Hung, Master's Degree

12:30 p.m. - 1:30 p.m. **884-P Pharmacokinetic and Pharmacodynamic Drug–Drug Interactions between Cofrogliptin and Metformin in Healthy Subjects**
Presenting Author: Dongyang Liu, PhD

12:30 p.m. - 1:30 p.m. **885-P Sex-Dependent Additive Effects of Dorzagliatin and Incretin on Insulin Secretion in a Novel Mouse Model of GCK-MODY**
Presenting Author: Shadai Salazar, PhD

12:30 p.m. - 1:30 p.m. **886-P A Novel UCN2 Analog HM17321 with HM15275 Improves Body Composition in Mouse Model of Obesity**
Presenting Author: Hyunjoo Kwon, PhD

12:30 p.m. - 1:30 p.m. **887-P Enhanced Glucagon Signal Suppresses Neurologically Mediated Meal-Induced Symptoms at Nadir Glucose Levels in Individuals with and without Gastric Bypass Surgery**
Presenting Author: Victoria Vargas, BS

12:30 p.m. - 1:30 p.m. **888-P Targeting Toxic Human IAPP Aggregation in Type 2 Diabetes Development with Antimicrobial Peptides**
Presenting Author: Juin Ting Chen, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **889-P Enhancing Glycemic Control through Orlistat Combination Therapy with Pioglitazone and Metformin in Patients with Obesity Type 2 Diabetes—A Multicenter Randomized Controlled Trial**
Presenting Author: Jia Liu, PhD

12:30 p.m. - 1:30 p.m. **890-P Efficacy of Antiobesity Agents on Fat Distribution—A Systematic Review and Network Meta-analysis of Randomized Controlled Trials**
Presenting Author: Xiuqi Qiao, Master's Degree

12:30 p.m. - 1:30 p.m. **891-P Investigating the Protective Mechanism of a Potential Type 1 Diabetes Therapeutic Compound, in Pancreatic Beta Cells—Findings from Transcriptome Profiling**

Presenting Author: Palwasha Khan, MS

12:30 p.m. - 1:30 p.m. **892-P Impact of ReCET Therapy on Continuous Glucose Monitoring (CGM) Metrics in Type 2 Diabetes—Insights from the REGENT-1 Trial**

Presenting Author: John Apostolopoulos, MBBS

12:30 p.m. - 1:30 p.m. **893-P Long-Term Administration of Dorzagliatin Combined with Sitagliptin for the Management of Glucose Homeostasis in High-Fat Diet–Induced Obesity Mice**

Presenting Author: Dongna Han, Master's Degree

12:30 p.m. - 1:30 p.m. **894-P MET-233 Is an Ultra-Long-Acting Amylin Receptor Agonist**

Presenting Author: James S. Minnion, PhD

12:30 p.m. - 1:30 p.m. **895-P Proximal Intestinal Mucosal Ablation (PIMA) Eliminates the Need for Exogenous Insulin in Type 2 Diabetes—Initial STEAM-IE Trial Results**

Presenting Author: Benjamin Norton, MSc

12:30 p.m. - 1:30 p.m. **896-P Positive Effect of Acute and Chronic Effects of Oral Ketones in Subjects with HFrEF and Diabetes**

Presenting Author: Francisca M. Acosta, PhD

12:30 p.m. - 1:30 p.m. **897-P Efficacy and Safety of Sodium–Glucose Cotransporter 2 Inhibitors on Solid Organ Transplant Recipients with Diabetes—A Systematic Review and Meta-analysis**

Presenting Author: Talita Trevisan, MD

12:30 p.m. - 1:30 p.m. **898-P SGLT2 Inhibitors or GLP-1 Receptor Agonists? Development of a Personalized Treatment Algorithm for Individuals with Type 2 Diabetes**

Presenting Author: Tim Mori, MSc

12:30 p.m. - 1:30 p.m. **899-P Study on the Efficacy and Safety of Henagliflozin Combined with Continuous Subcutaneous Insulin Infusion in the Treatment of Type 2 Diabetes—A Multicenter, Randomized, Open-Label, Controlled Study**

Presenting Author: Zhenxing Huang, PhD

12:30 p.m. - 1:30 p.m. **901-P Systematic Review and Retrospective Cohort Analysis of SGLT2i-Associated DKA in Patients with Type 2 Diabetes—Insights from Real-World Data and Meta-summary**

Presenting Author: Angelica Sharma, MBBCh, BSc (Hons), MRCP (UK), PGCert(Med Ed), FHEA

12:30 p.m. - 1:30 p.m. **902-P Characterizing Guideline-Based Treatment Concordance among Individuals with T2DM—A U.S. Cohort Study Using Administrative Claims from Commercial and Medicare Advantage Health Plans**

Presenting Author: Kaiwen Guo, MPA

12:30 p.m. - 1:30 p.m. **903-P The Effect of SGLT2 Inhibitors on Glycemic Control and Renal Outcomes in Adults with Type 1 Diabetes**

Presenting Author: Marwa Al-Badri, MD

12:30 p.m. - 1:30 p.m. **904-P Hospitalization Is a Risk Factor for SGLT2i Discontinuation**

Presenting Author: Tamara Y. Milder, MBBS (Hons1) MMed(ClinEpi)

12:30 p.m. - 1:30 p.m. **905-P Variables Associated with Prescription of SGLT2 Inhibitors or GLP-1 Receptor Agonists in Patients with Type 2 Diabetes and Obesity in Spain**
Presenting Author: Ana Cebrian, MD, PhD

12:30 p.m. - 1:30 p.m. **906-P The Predictive Value of Sirtuins and miRNAs in Cardiac Recovery after Acute Myocardial Infarction Treated with Empagliflozin**
Presenting Author: Anna Nowak-Szwed, MD

12:30 p.m. - 1:30 p.m. **907-P Clinical Efficacy and Safety of SGLT2 Inhibitors and DPP-4 Inhibitors Combination in Asian Patients with Type 2 Diabetes Inadequately Treated with Metformin—A Systemic Review and Meta-analysis of Randomised Controlled Studies**
Presenting Author: Maneesha Khalse, MD

12:30 p.m. - 1:30 p.m. **908-P The Broader Impact of Sotagliflozin—Meta-analysis of Its Efficacy in Diabetes Management, Cardiovascular Risk Reduction, and Renal Outcome**
Presenting Author: Mehwish Zeb, MD

12:30 p.m. - 1:30 p.m. **909-P Prevalence and Factors for Treatment Failure with Sodium–Glucose Cotransporter 2 Inhibitor (SGLT2i) in U.S. Adults with Type 2 Diabetes (T2D)**
Presenting Author: Xi Tan, PhD, PharmD

12:30 p.m. - 1:30 p.m. **910-P SGLT2 Inhibitor Prescribing among Patients with Diabetes and Chronic Kidney Disease or Heart Failure in a Primary Care Network**
Presenting Author: Nisa M. Maruthur, MD, MHS

12:30 p.m. - 1:30 p.m. **911-P Comparative Effectiveness of Empagliflozin vs. DPP-4i on MACE, HHF, and Mortality across Demographic Factors**
Presenting Author: Sara Jane Cromer, MD

12:30 p.m. - 1:30 p.m. **912-P The Minimum Frequency of Well-Day Capillary Blood Ketone Testing Needed for Future Diabetic Ketoacidosis (DKA) Prediction in T1D**
Presenting Author: Bruce A. Perkins, MD, MPH, FRCP(C)

12:30 p.m. - 1:30 p.m. **913-P Sodium–Glucose Cotransporter 2 Inhibitor Combined with Low-Carbohydrate Diets Safely Achieves Moderate Ketosis in Healthy Volunteers—An Open-Label Pilot Study**
Presenting Author: Melissa Erickson, PhD

12:30 p.m. - 1:30 p.m. **914-P Sodium–Glucose Cotransporter 2 (SGLT2) Inhibitors and Nephrolithiasis—An Updated Meta-analysis**
Presenting Author: Badr Ilmaguook, MD

12:30 p.m. - 1:30 p.m. **915-P Risk of Severe Lower Extremity Arterial Disease in Elderly Japanese Patients with Type 2 Diabetes—A Propensity Score-Matched Model Analysis of Sodium–Glucose Cotransporter 2 Inhibitors vs. Metformin**
Presenting Author: Takeshi Horii, PhD

12:30 p.m. - 1:30 p.m. **916-P Real-World Use of Sodium–Glucose Transporter 2 Inhibitors among Youth with Type 2 Diabetes**
Presenting Author: Michal Timkovski, MD

12:30 p.m. - 1:30 p.m. **1044-P Temporal Trends and Disparities in Substance Use and Diabetes Mellitus–Related Mortality in the United States, 1999–2022**
Presenting Author: Abdul Qadeer, MBBS

12:30 p.m. - 1:30 p.m. **1045-P Use of a Smartphone Application for Basal Insulin Titration during Ramadan Fasting—Data from Adults with Type 2 Diabetes in Saudi Arabia**

Presenting Author: Mohammed Al-Sofiani, MBBS, MSc

12:30 p.m. - 1:30 p.m. **1046-P Examining the Impact of Continuous Glucose Monitoring Sourcing in Medicaid Patients—Adherence, Health Care Costs, and Utilization**

Presenting Author: Arti Masturzo, MD, MBA

12:30 p.m. - 1:30 p.m. **1047-P Association between Public Transportation Time, Access to Diabetes Care, and Outcomes**

Presenting Author: Sinan Aktay, BS

12:30 p.m. - 1:30 p.m. **1048-P Impact of Social Determinants of Health on Diabetes Status—A Multivariable Analysis Using Artificial Intelligence Ready and Equitable Atlas for Diabetes Insights (AI-READI) Dataset**

Presenting Author: Aya Motoyoshi, Postdoctoral scholar

12:30 p.m. - 1:30 p.m. **1049-P Health Care Costs and Utilization among Patients Eligible for Continuous Glucose Monitors—A Comparison of Users and Nonusers**

Presenting Author: Jason Allaire, PhD

12:30 p.m. - 1:30 p.m. **1050-P Revolutionary GLP-1 Weight Loss Medicine Semaglutide—To Cover or Not to Cover?**

Presenting Author: Wenhao Lu, .

12:30 p.m. - 1:30 p.m. **1051-P Comparing Health Care Utilization among Persons with Diabetes between Medicaid and Private Insurance**

Presenting Author: Lavanya Muthukumar, MS

12:30 p.m. - 1:30 p.m. **1052-P Changes in Medical Expenditures Associated with GLP-1RA Initiation in Medicare Beneficiaries with Type 2 Diabetes**

Presenting Author: Yu Wang, PhD

12:30 p.m. - 1:30 p.m. **1053-P Public Health Impact and Cost-Effectiveness of Adjuvanted RSVPreF3 Vaccination in U.S. Adults Aged ≥60 Years with Diabetes**

Presenting Author: Elizabeth La, PhD

12:30 p.m. - 1:30 p.m. **1054-P Reweighting All of Us Research Program Data to Correct for Sampling Bias—A Novel Machine Learning–Based Approach**

Presenting Author: Elizabeth Staton, BA

12:30 p.m. - 1:30 p.m. **1055-P Ongoing Telehealth Support in Diabetes Can Significantly Impact Self-Care**

Presenting Author: Sherri L. Horvat, APRN, FNP-BC

12:30 p.m. - 1:30 p.m. **1056-P Cost-Effectiveness of the WHO Diabetes Compact Targets for Diabetes Control in India—A Microsimulation Modelling Study**

Presenting Author: Erica L. Kocher, MPH

12:30 p.m. - 1:30 p.m. **1057-P Cost Analysis of Freestyle Libre Systems in Patients with Type 2 Diabetes Receiving Basal Insulin and Poor Glycemic Control (HbA1c >8%)—A Societal Perspective in Spain**

Presenting Author: Francisco Javier Ampudia Blasco, MD, PhD

12:30 p.m. - 1:30 p.m. **1058-P The Need for Clear Ownership Laws for Medical Data Generated by Wearable Diabetes Devices**

Presenting Author: David C. Klonoff, MD, FACP, FRCP (Edin), Fellow AIMBE

12:30 p.m. - 1:30 p.m. **1059-P Patterns of Telemedicine vs. In-Person Endocrinology Care for T2D**

Presenting Author: Margaret Zupa, MD

12:30 p.m. - 1:30 p.m. **1060-P A Novel Approach to Estimating Cost Savings and Return on Investment (ROI) for Weight/BMI Changes with Digital Health**

Presenting Author: Mansur Shomali, MD, CM

12:30 p.m. - 1:30 p.m. **1061-P Cost-Effectiveness of N-Terminal Pro-brain Natriuretic Peptide (NT-proBNP) in Guiding Cardiovascular Risk Prediction and Management in Chinese Patients with Type 2 Diabetes Mellitus**

Presenting Author: Miao Yu, MD, PhD

12:30 p.m. - 1:30 p.m. **1062-P CGM for People with T2DM Not on Insulin—Budget Impact Analysis from a Medicare Perspective**

Presenting Author: Medha Munshi, MD

12:30 p.m. - 1:30 p.m. **1063-P Clinical and Economic Value of Flash Glucose Monitoring Systems in the Management of People with Type 2 Diabetes Mellitus on Basal Insulin and Poor Glycemic Control**

Presenting Author: Fernando Gomez-Peralta, PhD, MD

12:30 p.m. - 1:30 p.m. **1064-P Projected Health Care Resource Utilization (HCRU) Benefits of Adopting Control-IQ Technology in a U.S. Health Plan Population**

Presenting Author: Bimal V. Patel, PharmD, MS

12:30 p.m. - 1:30 p.m. **1065-P Trends in All-Cause and Diabetes-Related Health Care Costs from a U.S. Payer Perspective**

Presenting Author: Bertha De Los Santos, MS, PharmD

12:30 p.m. - 1:30 p.m. **1066-P Cost-Effectiveness of SGLT2i plus GLP-1RAs vs. SGLT2i in Patients with Chronic Kidney Disease**

Presenting Author: Shu Niu, Graduate student

12:30 p.m. - 1:30 p.m. **1067-P Trends in Medical Expenditures before and after Glucagon-Like Peptide 1 Receptor Agonist (GLP-1RA) Initiation in U.S. Adults Aged 18–64 Years with Type 2 Diabetes (T2D) and Commercial Insurance**

Presenting Author: Yixue Shao, PhD

12:30 p.m. - 1:30 p.m. **1068-P CGM for People with T2DM Not on Insulin—Budget Impact Analysis from Commercial Plans Perspective**

Presenting Author: Jay R. Rowes, MD, MPH

12:30 p.m. - 1:30 p.m. **1069-P Use of Diabetes Management Devices among Medicare FFS Beneficiaries with Type 1 Diabetes, 2017–2023**

Presenting Author: Sarah Pincus, MS Health Policy

12:30 p.m. - 1:30 p.m. **1070-P Validation Study of a Web-Based Periprocedural Diabetes Management Algorithm (DIAPI) in an Endoscopy Unit**

Presenting Author: Lillian R. Chen, MD

12:30 p.m. - 1:30 p.m. **1071-P Quality Improvement Hub Increases Continuous Glucose Monitoring Prescriptions for Adults with Type 2 Diabetes in Rural Appalachia**

Presenting Author: Elizabeth A. Beverly, PhD

12:30 p.m. - 1:30 p.m. **1072-P Expanding Technology-Enabled, Nurse-Delivered Chronic Disease Care (EXTEND)—A Randomized Trial**

Presenting Author: Matthew J. Crowley, MD, MHS

12:30 p.m. - 1:30 p.m. **1073-P Effectiveness of a Primary Care Population Health Approach on A1C Reduction in Type 2 Diabetes Patients**
Presenting Author: Anna Simos, MS, MPH, CDCES

12:30 p.m. - 1:30 p.m. **1074-P Advanced Glycemic Metrics and Liver Health Correlations—Optimising Diabetes Care in Indian Adults with Type 2 Diabetes with Insights from Continuous Glucose Monitoring (CGM) Data**
Presenting Author: K.v Ravi Teja, MD DM

12:30 p.m. - 1:30 p.m. **1075-P Enhancing Care Coordination between Endocrinology and Primary Care for Type 2 Diabetes through a Statewide Quality Improvement Collaborative**
Presenting Author: Lynn Ang, MD

12:30 p.m. - 1:30 p.m. **1076-P Real-Time Early Diabetes Detection Using Saudi Insurance Claims Data—Development and Validation of a Predictive System**
Presenting Author: Ghadeer Ghosheh, BEng

12:30 p.m. - 1:30 p.m. **1077-P Improving Glycemic Control in Surgical Patients—Outcomes of an Endocrinology Perioperative Referral Pathway**
Presenting Author: Jennifer J. Iyengar, MD

12:30 p.m. - 1:30 p.m. **1078-P Consistency of the Personalized Glycated Haemoglobin (pHbA1c) Methodology over Time in People with Type 1 Diabetes (T1D) Using Continuous Glucose Monitoring (CGM)**
Presenting Author: Adrian H. Heald, DM

12:30 p.m. - 1:30 p.m. **1079-P FIB-4 Forward—Enhancing MASLD Screening in Patients with Type 2 Diabetes Using an EHR-Based Tool**
Presenting Author: Melina I. Manolas, MD, MPH

12:30 p.m. - 1:30 p.m. **1080-P Diagnostic Delay in People with Type 1 Diabetes and a Prior Type 2 Diabetes Diagnosis—A U.S. Managed Care Population**
Presenting Author: Laura Wilson, PharmD

12:30 p.m. - 1:30 p.m. **1081-P Trends in Treatment Goal Attainment of Cardiovascular Risk Factors in Chilean Adults with Diabetes Mellitus—Results from the National Health Survey 2016–2017**
Presenting Author: Sofiya Gancheva, MD, PhD

12:30 p.m. - 1:30 p.m. **1082-P Reduced Quality of Life among Adults with Diabetes-Related Multimorbidity in India**
Presenting Author: Sailesh Mohan, MD, MPH, PhD

12:30 p.m. - 1:30 p.m. **1083-P Interim Success of an Online CME Curriculum at Overcoming Clinical Inertia to Improve Intensification of T2D**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **1084-P Can Online CME Curriculum Impact Screening and Diagnosis of Cushing Syndrome in People with T2D? Results at Baseline and Immediately Post-education**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **1085-P Disparities in SGLT2i Prescription for Primary Prevention of ASCVD in Patients with T2D**
Presenting Author: Archana R. Sadhu, MD, FACE

12:30 p.m. - 1:30 p.m. **1086-P Disparities in GLP-1RA Prescription for Primary Prevention of ASCVD in Patients with T2D**

Presenting Author: Archana R. Sadhu, MD, FACE

12:30 p.m. - 1:30 p.m. **1087-P The Impact of an "All-in-One" Wearable Diabetes Management Platform on Glycemic Outcomes in People with Diabetes—Insight from Karaz Digital Solution in Saudi Arabia**

Presenting Author: Mohammed Al-Sofiani, MBBS, MSc

12:30 p.m. - 1:30 p.m. **1088-P The Impact of Patient–to–Diabetes Specialist Ratio on the Quality of Diabetes Management among People with Diabetes—Data from the Saudi National Diabetes Center (SNDC)**

Presenting Author: Mohammed Al-Sofiani, MBBS, MSc

12:30 p.m. - 1:30 p.m. **1089-P Diabetes Management and Clinical Outcomes in Patients with Diabetes Treated by Cardiologists vs. Endocrinologists after Myocardial Infarction—A Nationwide Population-Based Cohort Study**

Presenting Author: Hye-Jin Yoon, MD

12:30 p.m. - 1:30 p.m. **1090-P Achievement of Guideline-Directed Diabetes Management in Patients Treated by Cardiologists vs. Endocrinologists after Myocardial Infarction—A Nationwide Population-Based Study**

Presenting Author: Hye-Jin Yoon, MD

12:30 p.m. - 1:30 p.m. **1091-P Trends in Insulin Use for Type 2 Diabetes in a Michigan Quality Improvement Collaborative**

Presenting Author: Komal Kinger, MD

12:30 p.m. - 1:30 p.m. **1092-P Interim Analysis of a Multicenter, Randomized Controlled Trial—Insights from Technology-Enabled Platform for Glycemic Control in Type 2 Diabetes (T2D)**

Presenting Author: Annie M. Raymond, MSc Food Science and Nutrition

12:30 p.m. - 1:30 p.m. **1093-P Revolutionizing Diabetes Care with AI—A GPT-Based Model to Combat India's Growing Diabetes Epidemic**

Presenting Author: Annie M. Raymond, MSc Food Science and Nutrition

12:30 p.m. - 1:30 p.m. **1094-P Validation of the CHROME-G Scale for Measuring Health-Related Quality of Life in Chinese Patients with Diabetes**

Presenting Author: Weilong Xu, MD, PhD

12:30 p.m. - 1:30 p.m. **1095-P Barriers and Enablers to Diabetes Technologies Use among Individuals with Type 1 Diabetes (T1D)—A Scoping Review**

Presenting Author: Alanna Weisman, MD, PhD, FRCPC

12:30 p.m. - 1:30 p.m. **1096-P Assessing Readiness to Implementing Pharmacist-Led Cardiovascular-Kidney-Metabolic Comprehensive Medication Management—A Multi–Health-System Evaluation**

Presenting Author: Wendy St. Peter, PharmD, FCCP, FASN, FNKF

12:30 p.m. - 1:30 p.m. **1098-P Tracking Treatment Outcomes Using the Semaglutide Patient Support Solution App**

Presenting Author: Vaia Lambadiari, .

12:30 p.m. - 1:30 p.m. **1099-P Diabetes Device Reminders to Increase Data for Patient Appointments**

Presenting Author: Melanie Hunt, ADN, BS, RN-BSN (in progress)

12:30 p.m. - 1:30 p.m. **1100-P CardioPrevent Postpartum Patient Coaching Program**

Presenting Author: Nazli Parast, EdD, MSN

12:30 p.m. - 1:30 p.m. **1101-P Clinical Validation of an AI Predictive System for Diabetes Risk in KSA—A Comparative Study**

Presenting Author: Mohammad Ghosheh, MD

12:30 p.m. - 1:30 p.m. **1102-P Increasing Enrollment in the Medicare Diabetes Prevention Program through an Umbrella Hub Arrangement Model**

Presenting Author: Kayla R. K. Lloyd, MPH, CHES

12:30 p.m. - 1:30 p.m. **1103-P Disparities in SGLT2i Prescription among Patients with Type 2 Diabetes and ASCVD**

Presenting Author: Eleonora Avenatti, MD

12:30 p.m. - 1:30 p.m. **1104-P Analysis of Provider Feedback on the Shared Empowerment for Early Device Success (SEEDS) Pilot Study**

Presenting Author: Monique Maher, MD

12:30 p.m. - 1:30 p.m. **1105-P Use of Free Produce Program in Adults with Suboptimal Controlled Diabetes**

Presenting Author: Joseph Erardi, BS

12:30 p.m. - 1:30 p.m. **1106-P Effects of Temperature and Preservative Selection on C-Peptide Degradation in Randomly Voided Urine**

Presenting Author: Eli H. Hagedorn, MS, BS

12:30 p.m. - 1:30 p.m. **1107-P Assessment of Barriers to Pediatric Diabetes Camp**

Presenting Author: Erica Gumkowski, MS

12:30 p.m. - 1:30 p.m. **1108-P Experiences of Younger Adults with Newly Diagnosed Type 2 Diabetes Participating in a Continuous Glucose Monitoring–Enabled Program to Support Behavior Changes**

Presenting Author: Jessica Johnston, MPH

12:30 p.m. - 1:30 p.m. **1109-P Physician Referral Pathway to a Commercially Marketed Digital Exercise Resource for Type 1 Diabetes—Implementation Metrics from a Clinical Trial**

Presenting Author: Garrett I. Ash, PhD

12:30 p.m. - 1:30 p.m. **1110-P Effect of Fibrosis-4 Index Clinic Template Inclusion on Fibrosis Screening in Diabetes Mellitus**

Presenting Author: Christine K. Persaud, DO

12:30 p.m. - 1:30 p.m. **1111-P Data-Driven Assessment of Basal Insulin Adherence in People with Type 2 Diabetes**

Presenting Author: Jannie T. D. Nørlev, MSc

12:30 p.m. - 1:30 p.m. **1112-P Clinic Population Screening by Clinical Pharmacists to Increase Continuous Glucose Monitor Use**

Presenting Author: Jarred Prudencio, PharmD

12:30 p.m. - 1:30 p.m. **1113-P Fostering Connectivity by Increasing Data Sharing to Facilitate Remote Patient Monitoring**

Presenting Author: Abha Choudhary, MD

12:30 p.m. - 1:30 p.m. **1114-P Geospatial Analysis to Incorporate Neighborhood Characteristics and Socioeconomic Status into Diabetes Outcomes and Disparity Research**
Presenting Author: Kibum Kim, PhD

12:30 p.m. - 1:30 p.m. **1115-P Examining Facilitators and Barriers of CGM and Technology Use among Patients with Type 2 Diabetes Mellitus in Community Health Centers**
Presenting Author: Melanie E. Wolter, BA

12:30 p.m. - 1:30 p.m. **1116-P Characterizing Utilization of Diabetes Care Consultations in Veterans with Type 2 Diabetes**
Presenting Author: Beth Greck, PharmD

12:30 p.m. - 1:30 p.m. **1117-P Scaling the National Diabetes Prevention Program in High-Risk, High-Social, Vulnerable Areas—Challenges and Barriers**
Presenting Author: Shelly-Ann Bowen, PhD

12:30 p.m. - 1:30 p.m. **1118-P Implementing a Community-Based Diabetes Screening for the Unhoused**
Presenting Author: Gabrielle C. Brown, BSN, MPA

12:30 p.m. - 1:30 p.m. **1119-P Early T1D Prediction with ML—Enhancing Screening and Reducing DKA Risk**
Presenting Author: David Hood, MS

12:30 p.m. - 1:30 p.m. **1120-P Use of Choice Architecture to Influence Inpatient A1C Ordering and Patient Outcomes**
Presenting Author: Kristen Breslin, MD

12:30 p.m. - 1:30 p.m. **1121-P Mobile Health Interventions Tailored to Immigrant Populations with Diabetes—An Integrative Review**
Presenting Author: Jing Liu, PhD

12:30 p.m. - 1:30 p.m. **1122-P Continuous Glucose Monitor Readiness and Utilization among Internal Medicine Residents—A Single Program Quality Improvement Project**
Presenting Author: Mary Gabriel, MD

12:30 p.m. - 1:30 p.m. **1123-P Clinical Perspectives—Using Novel Type 2 Diabetes Care for Young Adults in Community Health Centers**
Presenting Author: Sean E. DeLacey, MD

12:30 p.m. - 1:30 p.m. **1124-P American Indian/Alaska Native Adults with Type 2 Diabetes Navigating a Commercial Health Care System—A Qualitative Analysis**
Presenting Author: Leandra Bitterfeld, MSN, PhD(c)

12:30 p.m. - 1:30 p.m. **1125-P The Association between Deprescribing and Medication Management Discussions between Primary Care Physicians and High-Risk Older Adults with Type 2 Diabetes**
Presenting Author: Jose J. Mejia, BA

12:30 p.m. - 1:30 p.m. **1126-P Pharmacist Intervention to Improve OB Provider Confidence in CGMS Interpretation and Billing**
Presenting Author: J Skye Mitchell, PharmD

12:30 p.m. - 1:30 p.m. **1127-P Piloting a Professional Continuous Glucose Monitoring Program in a Safety-Net Diabetes Clinic**
Presenting Author: Felona Gunawan, MD

12:30 p.m. - 1:30 p.m. **1128-P Factors Associated with Delay or Nonreceipt of Medical Care among Older Adults with Diabetes**
Presenting Author: Sandra C. Iregbu, PhD

12:30 p.m. - 1:30 p.m. **1129-P Multiyear Experience and Clinical Outcomes of a Preoperative Diabetes Optimization Program**
Presenting Author: Carlos E. Mendez, MD, FACP

12:30 p.m. - 1:30 p.m. **1130-P Improving the Accuracy of Influenza Vaccination Status Documentation for Patients with Diabetes—A Quality Improvement Project**
Presenting Author: Kenneth Izuora, MD, MBA

12:30 p.m. - 1:30 p.m. **1131-P Reducing Health Disparities for Rural People with Diabetes—Study Design of a Prospective, Randomized, Controlled Study of Project ECHO**
Presenting Author: Matthew F. Bouchonville, MD

12:30 p.m. - 1:30 p.m. **1132-P A National Randomized Trial of Comprehensive Care Management for High-Need, High-Cost Patients**
Presenting Author: O. Kenrik Duru, MD, MSHS

12:30 p.m. - 1:30 p.m. **1133-P Unlocking the Potential of Precision Medicine—Phenotype-Based Clustering for Enhanced Diabetes Management**
Presenting Author: Osama Hamdy, MD, PhD

12:30 p.m. - 1:30 p.m. **1134-P Length of Stay in Hospitalized Patients with Diabetes**
Presenting Author: Nay Linn Aung, MD

12:30 p.m. - 1:30 p.m. **1135-P Prior Authorization Barriers to Providing CGM and Pumps**
Presenting Author: Anne L. Peters, MD

12:30 p.m. - 1:30 p.m. **1136-P Remote Patient Monitoring—The Road to Patient-Centered On-Demand Health Care**
Presenting Author: Jonatan I. Bagger, MD PhD

12:30 p.m. - 1:30 p.m. **1137-P Medication Adherence in Type 2 Diabetes—A Study Using Direct Blood Analysis**
Presenting Author: Vojtech Skop, PhD

12:30 p.m. - 1:30 p.m. **1138-P Diabetes Collaborative Care—An Innovative Model to Mitigate Disparity in Type 2 Diabetes Outcomes**
Presenting Author: Carolina E. Noya, PhD

12:30 p.m. - 1:30 p.m. **1139-P Assessing Clinic Readiness for Implementation of Equitable and Sustainable New-Onset Care in the T1DX-QI**
Presenting Author: Franziska K. Bishop, MS, CDCES

12:30 p.m. - 1:30 p.m. **1140-P Health Care Professional (HCP) and Patient Perspectives on the Impact of an Autonomous AI in a Federally Qualified Health Center (FQHC)**
Presenting Author: Milibeth Castro, MPH

12:30 p.m. - 1:30 p.m. **1141-P An Electronic Health Record–Based Model to Predict Diabetic Ketoacidosis in Adults with Type 1 Diabetes**
Presenting Author: Jacob D. Kohlenberg, MD

12:30 p.m. - 1:30 p.m.	**1142-P Training and Technical Assistance to Support FQHCs in Implementing Diabetes Distress Screening** Presenting Author: Abigail Durgan, MSW
12:30 p.m. - 1:30 p.m.	**1143-P Evaluating an Evidence-Based Quality Improvement Initiative for Food Insecurity Screening and Referral in Adults with Diabetes Initiating Continuous Glucose Monitor Therapy** Presenting Author: Coni Dennis, DNP, RN, NE-BC
12:30 p.m. - 1:30 p.m.	**1144-P $0 Drug Copay Program Improves Glycemic Control for Patients with Type 2 Diabetes** Presenting Author: Tiange Tang, PhD Student
12:30 p.m. - 1:30 p.m.	**1145-P Addressing Barriers to CGM Prescriptions in Primary Care—A Quality Improvement Initiative** Presenting Author: Rose M. Sanchez Rosado, MD
12:30 p.m. - 1:30 p.m.	**1146-P Feasibility of Home Capillary A1C Collection for Emerging Adults with T1D** Presenting Author: Jorden Rieke, BSN, RN, CCRN
12:30 p.m. - 1:30 p.m.	**1147-P Equitable Access to Type 1 Diabetes Technology across a Health System** Presenting Author: Paige E. Dixon, MD
12:30 p.m. - 1:30 p.m.	**1148-P Factors Responsible for Delay in Seeking Medical Help by Patients with Diabetic Foot Ulcers** Presenting Author: Devarsh N. Shah, MD
12:30 p.m. - 1:30 p.m.	**1149-P Expanding Access to Continuous Glucose Monitoring in Medicare Patients through Quality Improvement** Presenting Author: Kristen L. Flint, MD
12:30 p.m. - 1:30 p.m.	**1150-P AI-Enhanced Team-Based Care—A Novel Approach to Managing High-Risk Diabetes Patients** Presenting Author: Dionne A. Williams, PhD, RN
12:30 p.m. - 1:30 p.m.	**1151-P Continuous Glucose Monitoring (CGM) User Experience in Pediatric Hospital Diabetes Management** Presenting Author: Ming Yeh Lee, MD, PhD
12:30 p.m. - 1:30 p.m.	**1152-P Cardiometabolic Insights—Findings from 1,014 Clinicians on Patient Support Programs for Metabolic Care—The BEST Survey** Presenting Author: Sujoy Ghosh, DM
12:30 p.m. - 1:30 p.m.	**1153-P Key Determinants of Continuous Glucose Monitoring for Insulin-Using Type 2 Diabetes in Primary Care** Presenting Author: Adithi Voleti, BS, MS
12:30 p.m. - 1:30 p.m.	**1154-P Increasing Awareness and Identification of Maturity-Onset Diabetes of the Young (MODY) in a Pediatric Diabetes Clinic** Presenting Author: Raymond J. Kreienkamp, MD, PhD
12:30 p.m. - 1:30 p.m.	**1155-P Eliminating Barriers to Diabetes Care—An Interprofessional Approach to Improving Outcomes through Self-Efficacy and Addressing Social Determinants of Health**

Presenting Author: Danielle C. Ezzo, PharmD

12:30 p.m. - 1:30 p.m. **1156-P Perioperative Dexamethasone Associated with Increased Postoperative Length of Stay in Patients with Poorly Controlled Diabetes**
Presenting Author: Reuben J.R. De Almeida, MSc, MD, DABOM

12:30 p.m. - 1:30 p.m. **1157-P Reducing Hospital-Acquired Diabetic Ketoacidosis—Identifying Causes and Implementing Standardized Protocols**
Presenting Author: Raju Panta, MD

12:30 p.m. - 1:30 p.m. **1230-P Prolactin Improves Insulin Sensitivity during and after Lactation**
Presenting Author: Joon Ho Moon, MD PhD

12:30 p.m. - 1:30 p.m. **1232-P Triglyceride Glucose Index as an Early Predictor of Gestational Diabetes Mellitus**
Presenting Author: Callie G. Tucker, BS

12:30 p.m. - 1:30 p.m. **1233-P Metabolic Consequences of GCK Mutations—Does the Source of Inheritance—Mother or Father—Matter?**
Presenting Author: Yang Liu, PhD

12:30 p.m. - 1:30 p.m. **1234-P Glucagon-Like Peptide 1 Receptor Agonists Use prior to Pregnancy Is Not Associated with Abnormal Birthweight**
Presenting Author: Jacqueline Maya, MD

12:30 p.m. - 1:30 p.m. **1235-P Weight Management in Pregnant Women with Pregestational Diabetes Mellitus**
Presenting Author: Xinyu Shu, MD

12:30 p.m. - 1:30 p.m. **1236-P Association of CGM Wear Time with Maternal HbA1c and Fetal Growth in T1D Pregnancies**
Presenting Author: Sarit Polsky, MD, MPH

12:30 p.m. - 1:30 p.m. **1237-P The Relationship between Dietary Intake and Glucose Levels in a Pilot Randomized Clinical Trial of Intensive Glycemic Targets in Gestational Diabetes**
Presenting Author: Evelyn C. Stepaniak, BS

12:30 p.m. - 1:30 p.m. **1238-P α-MSH as a Predictor of Maternal Metabolic Health and Fetal Heart Function**
Presenting Author: Julia Sbierski-Kind, MD

12:30 p.m. - 1:30 p.m. **1239-P Timing of Adult Transition on Outcomes for Pregnant Young Adults with Type 1 Diabetes**
Presenting Author: Lauren A. Waterman, MD

12:30 p.m. - 1:30 p.m. **1240-P Insomnia, Depression, and Fatigue—Influence on Pregnancy Outcomes in Pregnant Women with Gestational Diabetes**
Presenting Author: Luis Otavio S. Facanha, .

12:30 p.m. - 1:30 p.m. **1241-P Maternal, Fetal, and Neonatal Outcomes in Pregnant Women with Type 1 and Type 2 Diabetes in a Large Health Care System**
Presenting Author: Yian Guo, MS

12:30 p.m. - 1:30 p.m. **1242-P Dexcom CGM Use and Satisfaction in a Diverse Gestational Diabetes Cohort—Insights Into Glycemic Management and Patient Experiences**
Presenting Author: Margaret A. Crawford, MPH PhD

12:30 p.m. - 1:30 p.m. **1243-P Risk Factors for Progression to Type 2 Diabetes Postgestational Diabetes —A Retrospective Cohort Study**
Presenting Author: Jin Yu, MD, PhD

12:30 p.m. - 1:30 p.m. **1244-P Analytical and Clinical Accuracy, and Acceptability Evaluation of Intermittent Scanned Continuous Glucose Monitoring in Gestational Diabetes**
Presenting Author: Jesica D. Baran, MD Endocrinologist

12:30 p.m. - 1:30 p.m. **1245-P Where You Live Matters—Association between Socioecological Factors and Gestational Diabetes Mellitus Risk in Australia**
Presenting Author: Wubet W. Takele, MPH in human nutrition, PhD candidate

12:30 p.m. - 1:30 p.m. **1246-P Optimal MUAC Cutoffs for Assessing Nutritional Status and Predicting GDM in Pregnant Indian Women**
Presenting Author: Neha Narayan, BS

12:30 p.m. - 1:30 p.m. **1247-P Cost Analysis of Shared Medical Appointments Compared with Individual Consultations for Gestational Diabetes**
Presenting Author: Stacey Ehrenberg Buchner, MD

12:30 p.m. - 1:30 p.m. **1248-P Choline Supplementation in Pregnancies Complicated by Gestational Diabetes Mellitus—A Randomized, Double-Blinded, Placebo-Controlled Trial**
Presenting Author: Itamar Futterman, MD

12:30 p.m. - 1:30 p.m. **1249-P Prevalence and Predictors of Glucose Intolerance after Gestational Diabetes Mellitus by 2013 WHO Criteria (IADPSG)**
Presenting Author: Kan Kandet, MD

12:30 p.m. - 1:30 p.m. **1250-P Risk of Diabetes Requiring Insulin Associated with Maternal Comorbidity Burden**
Presenting Author: Isabella Molina, BS

12:30 p.m. - 1:30 p.m. **1251-P Placental DNA Methylation Patterns Associated with Type 2 Diabetes Mellitus in Pregnancy**
Presenting Author: Aswathy S, Integrated BS-MS dual degree

12:30 p.m. - 1:30 p.m. **1252-P Glucagon-Like Peptide 1 Receptor Agonist Prescription prior to Pregnancy According to Health Insurance Type and Race/Ethnicity**
Presenting Author: Carolina I. Batlle, MS

12:30 p.m. - 1:30 p.m. **1253-P Barriers and Facilitators to Sleep Health among Chinese Americans with a History of Gestational Diabetes Mellitus**
Presenting Author: Shuyuan Huang, PhD, MPH, RN

12:30 p.m. - 1:30 p.m. **1254-P Sensor Data in the Postprandial State—Impact of Macronutrients in Pregnant People with Diabetes**
Presenting Author: Camilla Levister, MS, NP, CDCES

12:30 p.m. - 1:30 p.m. **1255-P Association of Gestational Diabetes with Maternal Weight Change in the Two Years prior to Pregnancy**
Presenting Author: Kimberly K. Vesco, MD, MPH

12:30 p.m. - 1:30 p.m. **1256-P Central Obesity Measures in Early Pregnancy and the Risk of Gestational Diabetes (GDM) and Postpartum Prediabetes and Diabetes (preDM/DM)—A Longitudinal Cohort Study**
Presenting Author: Yeyi Zhu, PhD

12:30 p.m. - 1:30 p.m. **1257-P Codesigning the Healthy Gut Diet—A Complex Dietary Behavior Change Intervention to Prevent Gestational Diabetes Mellitus**
Presenting Author: Nina J. L. Meloncelli, BNutr&Diet (Hons), PhD

12:30 p.m. - 1:30 p.m. **1258-P Fasting Triglycerides Are Unaffected by Weekday Variation in Obese Pregnancy But Steadily Increase over Gestation—Implications for Prevention of Macrosomia**
Presenting Author: Emily Z. Dunn, MS, RDN

12:30 p.m. - 1:30 p.m. **1259-P Selenium Supplementation and Gestational Diabetes—A Systematic Review and Meta-analysis**
Presenting Author: Lorena S. Bahia, Medical Student

12:30 p.m. - 1:30 p.m. **1260-P Self-Management Challenges during Pregnancy among Chinese Americans with Gestational Diabetes Mellitus**
Presenting Author: Josepha Cabrera, MPH

12:30 p.m. - 1:30 p.m. **1261-P Early Pregnancy Body Roundness Index and Development of Gestational Diabetes and Hypertensive Disorders of Pregnancy**
Presenting Author: Taylor Bynarowicz, MD

12:30 p.m. - 1:30 p.m. **1262-P Adverse Neonatal Outcomes among Fetal Growth Disorders among Patients with Pregestational Diabetes Mellitus and Chronic Hypertension**
Presenting Author: Anne Bocage, MD

12:30 p.m. - 1:30 p.m. **1263-P Associations of Metal and Element Mixture with Gestational Diabetes Mellitus (GDM) in a Racially and Ethnically Diverse U.S. Birth Cohort—A Bayesian Kernel Machine Regression (BKMR) Analysis**
Presenting Author: Mingyu Zhang, PhD, MHS

12:30 p.m. - 1:30 p.m. **1264-P Postpartum Glucose Tolerance among Non-U.S. Born Women with Gestational Diabetes Mellitus—The SWIFT Study**
Presenting Author: Wilkin F. Munoz Orozco, BS

12:30 p.m. - 1:30 p.m. **1265-P To What Extent Do Carbohydrate Intake, Physical Activity, and Meal Timing Impact Two-Hour Postprandial Glucose in Pregnancy Hyperglycemia?**
Presenting Author: Jordan E. Lewis, MPH

12:30 p.m. - 1:30 p.m. **1266-P "But I like Asian food, the Asian recipes"—Suggestions for Postpartum Diet and Exercise Programs for Chinese Americans with a History of Gestational Diabetes Mellitus**
Presenting Author: Yujie Bai, BS

12:30 p.m. - 1:30 p.m. **1267-P Prenatal Racial/Ethnic Residential Segregation and Postpartum Diabetes in a 10-Year Cohort Study**
Presenting Author: Rana F. Chehab, PhD, MPH, RD

12:30 p.m. - 1:30 p.m. **1590-P The Effect and Mechanism of Hypothalamic GPD2 on Energy Metabolism**
Presenting Author: Yang Li, Doctor

12:30 p.m. - 1:30 p.m. **1591-P Effects of Light Exposure during Sleep on Glycemic Control in Type 1 Diabetes**
Presenting Author: Seok Jin Hong, MS

12:30 p.m. - 1:30 p.m. **1592-P No Effect of Central Insulin on Dopamine Signaling in Men with Overweight and Obesity**

Presenting Author: Leontine Sandforth, MD

12:30 p.m. - 1:30 p.m. **1593-P GI Exposure Is Required for the Leptin Lowering Effect of Ethanol Treatment**

Presenting Author: Arline Narez, BS

12:30 p.m. - 1:30 p.m. **1594-P SCIP—A Novel and Efficient Screening Tool for Detecting Cognitive Impairment among Older Adults with Type 2 Diabetes**

Presenting Author: Joergen Rungby, MD

12:30 p.m. - 1:30 p.m. **1595-P Region-Specific Effects of Early Aging on Glucose Metabolism in the Brain**

Presenting Author: Asha Daryanani, BS

12:30 p.m. - 1:30 p.m. **1596-P The Effect of Rate of Nutrient Flux on Prandial Glucose Metabolism following Gastric Bypass Surgery**

Presenting Author: Azam Alamari, MD

12:30 p.m. - 1:30 p.m. **1597-P Insulin Sensitivity Dependent and Insulin Sensitivity Independent Insulin Secretion in Nondiabetic Individuals**

Presenting Author: Mohamed Abu-Farha, PhD

12:30 p.m. - 1:30 p.m. **1598-P Interplay of Insulin Sensitivity, Clearance, and β-Cell Glucose Sensitivity in Glucose Tolerance**

Presenting Author: Andrea Foppiani, PhD RD

12:30 p.m. - 1:30 p.m. **1599-P Genotype at SNP rs13266634 of ZnT8 Modifies the Relationship between Urinary Zinc and HOMA2-β**

Presenting Author: Malek El Muayed, MD, MS

12:30 p.m. - 1:30 p.m. **1600-P Metabolic Trajectories Preceding Diagnosis of Type 2 Diabetes Subtypes in Cohort Studies from the United States**

Presenting Author: Jithin Sam Varghese, PhD, MTech

12:30 p.m. - 1:30 p.m. **1601-P Adiposity Markers Are Related to Insulin Sensitivity and Secretion Measured during OGTT**

Presenting Author: Federica Sileo, MD

12:30 p.m. - 1:30 p.m. **1602-P Delayed Insulin Secretion in Early Postpartum Is Associated with Future Abnormal Glucose Metabolism among Women with a History of Gestational Diabetes Mellitus**

Presenting Author: Xiaopei Cao, MD, PhD

12:30 p.m. - 1:30 p.m. **1603-P ROCK1 in Hepatic Stellate Cells Regulates Insulin Sensitivity and Communicates with Muscle during Overnutrition**

Presenting Author: Kellen Rodrigues, PhD

12:30 p.m. - 1:30 p.m. **1604-P The Severity of Metabolic Dysfunction–Associated Steatohepatitis (MASH) Is Associated with Worse Hepatic Steatosis and Insulin Resistance**

Presenting Author: Andrea Ortiz Rocha, MD

12:30 p.m. - 1:30 p.m. **1605-P Insulin Resistance Promotes Steatosis and Increases the Risk of Clinically Significant Fibrosis in People with Type 2 Diabetes**

Presenting Author: Nathaly Cuervo-Pardo, MD

12:30 p.m. - 1:30 p.m. **1606-P Impact of Insulin Resistance and BMI on Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) in Nondiabetic Individuals**

Presenting Author: Nathaly Cuervo-Pardo, MD

12:30 p.m. - 1:30 p.m. **1607-P Multiomic Analyses of GLP-1/GIP/GCGR Triagonism Highlights the Role of Hepatic Lipid Metabolism during Weight Loss in Obese Mice**
Presenting Author: Teayoun Kim, PhD

12:30 p.m. - 1:30 p.m. **1608-P Prevalence and Predictors of Metabolic Dysfunction–Associated Steatotic Liver Disease in African Immigrants**
Presenting Author: Anne E. Sumner, MD

12:30 p.m. - 1:30 p.m. **1609-P Myricetin Ameliorates MASLD by Enhancing Mitochondrial Function and Promoting PINK1/Parkin-Dependent Mitophagy**
Presenting Author: Weilong Xu, MD, PhD

12:30 p.m. - 1:30 p.m. **1610-P Oxymatrine Regulates Lipid Metabolism and Improves Oxidative Stress to Alleviate Nonalcoholic Fatty Liver Disease via PPARα-ApoA1/CPT1A Pathway—Combining Transcriptomics and Metabolomics**
Presenting Author: Luping Ren, MD

12:30 p.m. - 1:30 p.m. **1611-P The Impact of PKC-δ and p38a MAPK on FFA-Induced Hepatic Lipid Metabolic Dysfunction**
Presenting Author: Yemisi D. Joseph, MSc

12:30 p.m. - 1:30 p.m. **1612-P Role of ACLY in Liver Regeneration following Hepatectomy**
Presenting Author: Ziming Zhu, PhD

12:30 p.m. - 1:30 p.m. **1613-P Liver PSAT1 Governs Liver-Specific and Systemic Glucose Adaptations to Sulfur Amino Acid Restriction**
Presenting Author: Andres F. Ortega, PhD

12:30 p.m. - 1:30 p.m. **1614-P Comprehensive Epitranscriptomic Analysis Reveals Novel Glucose-Responsive and Reversible Pathways in Mouse Liver**
Presenting Author: Berkcan Ozturk, MD

12:30 p.m. - 1:30 p.m. **1615-P Acute Exposure to Interleukin-1β Blocks Gluconeogenesis Leading to Prolonged Hypoglycemia**
Presenting Author: Pia Neubert, MSc

12:30 p.m. - 1:30 p.m. **1616-P Effect of Mazdutide on MASH Fibrosis—Targeting the Liver–Gut Axis and Microbiome**
Presenting Author: Hui Wang, PhD Candidate

12:30 p.m. - 1:30 p.m. **1617-P Posttranscriptional Regulation of Metabolic Hepatokines in Obesity and Metabolism**
Presenting Author: Heidi Schmidt, PhD

12:30 p.m. - 1:30 p.m. **1618-P Treatment of Prefibrotic Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD)**
Presenting Author: Emily Wood, DO

12:30 p.m. - 1:30 p.m. **1619-P Redox Immunometabolism—NADPH Oxidase 4 (NOX4) Alleviates Stat6-Deficiency–Related MASLD in Mice**
Presenting Author: Ildiko Szanto, MD, PhD

12:30 p.m. - 1:30 p.m. **1620-P GDF15 Correlates with Insulin Sensitivity But Not with Features of Metabolic Dysfunction–Associated Steatotic Liver Disease**

Presenting Author: Anna Giannakogeorgou, MD

12:30 p.m. - 1:30 p.m. **1621-P Association between the TyG Index and Liver Fat Content Measured by Quantitative CT in Patients with T2DM**
Presenting Author: Chenghui Zhang, PhD

12:30 p.m. - 1:30 p.m. **1622-P Liver Fibrosis Predicts Mortality in Type 2 Diabetes (T2D) Independently of Obesity and A1C**
Presenting Author: Fernando Bril, MD

12:30 p.m. - 1:30 p.m. **1623-P Lacking of TMEM258 Promotes Hepatic Steatosis by Increased CD36-Mediated Fatty Acid Uptake**
Presenting Author: Huawei Wang, MD

12:30 p.m. - 1:30 p.m. **1624-P Increased Contact between Endoplasmic Reticulum and Mitochondria Contributes to the Development of Metabolic Dysfunction–Associated Fatty Liver Disease in Undernutrition**
Presenting Author: Thiago Araujo, PhD

12:30 p.m. - 1:30 p.m. **1625-P High Liver Stiffness Is Prevalent But Not Associated with Steatosis in Autoimmune Diabetes—A MRI Study Comparing BMI-Matched Adults with T1D, LADA, or T2D**
Presenting Author: Ernesto Maddaloni, MD, PhD

12:30 p.m. - 1:30 p.m. **1627-P Sympathetic Activation–Induced Lipophagy Regulates Gluconeogenesis and Ketogenesis during Cold Stress in Mice**
Presenting Author: Henrique N. Morgan, BS, MS, PhD student

12:30 p.m. - 1:30 p.m. **1628-P Evaluating the Effectiveness of FIB-4 Score against Fibroscan across BMI Category in South Asian Population**
Presenting Author: Jothydev Kesavadev, MD, FRCP(London,Glasg,Edin), FACP, FACE(USA)

12:30 p.m. - 1:30 p.m. **1629-P JTTZ Improves Glycolipid Metabolism Disorder by Regulating Liver Cell Fatty Acid Metabolism Reprogramming and ABCD2/PEX2/ATGL Pathway**
Presenting Author: Runyu Miao, PhD

12:30 p.m. - 1:30 p.m. **1630-P β-hydroxybutyrate Enhances Hadha β-hydroxybutyrylation to Alleviate Mitochondrial Dysfunction and Hepatic Steatosis in MASLD**
Presenting Author: Li Ma, PhD

12:30 p.m. - 1:30 p.m. **1631-P From 1999 to 2022—Tracking Diabetes and Nonalcoholic Fatty Liver Disease (NAFLD) Mortality in the United States of America**
Presenting Author: Sidrah Khan, MD

12:30 p.m. - 1:30 p.m. **1632-P The mRNA Acetyltransferase NAT10 Inhibits T-Cell Effector Function and Facilitates the Attenuation of Liver Fibrosis in MASH Mouse**
Presenting Author: Yanying Yang, MD

12:30 p.m. - 1:30 p.m. **1633-P FABP2 Is a Hidden Player in the Development of Hepatic Steatosis and Inflammation in MASLD**
Presenting Author: Bilian Zhu, Master's Degree

12:30 p.m. - 1:30 p.m. **1634-P Chip Mediates Glucagon Action on Hepatic Glucose Production via Regulating SMAD3 Ubiquitination**
Presenting Author: Quan Pan, PhD

12:30 p.m. - 1:30 p.m. **1635-P Short-Term Production of Circulating Triglycerides Is Positively Associated with Triglyceride Concentration in Adolescents with and without MASLD**
Presenting Author: Kevin R. Short, PhD

12:30 p.m. - 1:30 p.m. **1636-P Liraglutide Mitigates Lipid Accumulation, EMT, and Fibrosis in MASLD via AMPK Activation**
Presenting Author: Chun-Cheng Liao, MD, PhD

12:30 p.m. - 1:30 p.m. **1637-P Impact of MASLD Severity on Dynamic Glucagon Secretion in Humans—Implications for Glucagon Agonists for MASLD Therapeutics**
Presenting Author: Yong-ho Lee, MD, PhD

12:30 p.m. - 1:30 p.m. **1638-P Type 2 Diabetes and Obesity Are the Main Metabolic Risk Factors for the Development of Cirrhosis in People with Metabolic Dysfunction–Associated Steatohepatitis (MASH)**
Presenting Author: Kenneth Cusi, MD

12:30 p.m. - 1:30 p.m. **1640-P Targeting Cathepsin L for Liver Fibrosis—Mechanistic Insights and Therapeutic Potential in a Diabetic Mouse Model**
Presenting Author: Jin-Kui Yang, PhD, MD

12:30 p.m. - 1:30 p.m. **1641-P Prevalence of Metabolic Dysfunction–Associated Steatotic Liver Disease in Type 1 Diabetes Compared with Healthy Controls—A Cross-Sectional Study**
Presenting Author: Virginia Bellido, MD PhD

12:30 p.m. - 1:30 p.m. **1642-P Mechanistic Insights into Fatty Liver Heterogeneity in Obese Patients—Proteomics and Single-Cell Transcriptomics Reveal the Crucial Role of MAC-FABP4**
Presenting Author: Zhe Dai, MD, PhD

12:30 p.m. - 1:30 p.m. **1643-P Eight-Year Trajectories of Oral Glucose Tolerance Tests and Liver Enzymes in Nonobese Japanese Physical Examination Participants**
Presenting Author: Miki Okumura, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1644-P The High Prevalence of Metabolic Dysfunction–Associated Steatohepatitis (MASH) in People with T2D Support the Need for Screening to Prevent Future Cirrhosis**
Presenting Author: Eddison Godinez Leiva, MD

12:30 p.m. - 1:30 p.m. **1645-P A Metabolome-Derived Score Predicts Metabolic Dysfunction–Associated Steatohepatitis and Mortality from Liver and Metabolic Diseases**
Presenting Author: Mingfeng Xia, MD

12:30 p.m. - 1:30 p.m. **1646-P Tumor Cell–Intrinsic NIK Shapes Metabolic Cross Talk between Tumors and Brown Adipose Tissue**
Presenting Author: Yina Wang, PhD

12:30 p.m. - 1:30 p.m. **1647-P Coenzyme A Synthase Knockdown Increases Hepatic Mitochondrial Fat Oxidation and Reduces Hepatic Steatosis and Hepatic Insulin Resistance**
Presenting Author: Rafael C. Gaspar, PhD

12:30 p.m. - 1:30 p.m. **1648-P Impact of Time-Restricted Eating on Glycemic Variability and Metabolic Flexibility in Healthy and Psoriatic Subjects**
Presenting Author: Natalie A. Macheret, BS

12:30 p.m. - 1:30 p.m. **1649-P Improved Hepatic Insulin Sensitivity and Insulin Secretion in Short-Term Early Time-Restricted Eating in Men with and without Psoriasis**

Presenting Author: Geethika P. Thota, MD

12:30 p.m. - 1:30 p.m. **1650-P Multiorgan Survey of Mouse Transcriptome Architectures during Feeding Cycle by Direct RNA-Seq**
Presenting Author: Chengfei Jiang, PhD

12:30 p.m. - 1:30 p.m. **1651-P Lactate Is Associated with Established Markers of Metabolic Dysfunction in Late Pregnancy**
Presenting Author: Destiny D. Pearson, MS

12:30 p.m. - 1:30 p.m. **1652-P A Liver–Brown Fat Ketone Shuttle for Adaptive Thermogenesis**
Presenting Author: Hai-Bin Ruan, PhD

12:30 p.m. - 1:30 p.m. **1653-P The Dynamics of the Gut Microbiota and the Progression of Prediabetes among Europeans—An IMI-DIRECT Prospective Study**
Presenting Author: Liwei Lyu, MSc

12:30 p.m. - 1:30 p.m. **1654-P Effects of Acute Late Isocaloric Eating on 24-h Blood Glycemia in Adults with Overweight and Obesity**
Presenting Author: Han-Chow Koh, PhD

12:30 p.m. - 1:30 p.m. **1655-P The Effect of Diabetes on Skeletal Muscle Extracellular Matrix and Oxygen Delivery**
Presenting Author: Nicholas A. Hulett, MS

12:30 p.m. - 1:30 p.m. **1656-P Skeletal Muscle Miro1 Accumulation Is Reversed by Exercise Training in Patients with Obesity and Type 2 Diabetes**
Presenting Author: Analisa L. Taylor, BS

12:30 p.m. - 1:30 p.m. **1657-P Forty-Weeks of Metformin Improves Glucose Tolerance without Alterations in Skeletal Muscle Mitochondrial Function and Aerobic Capacity**
Presenting Author: Mark W. Pataky, PhD

12:30 p.m. - 1:30 p.m. **1658-P Hyperpolarization as a Driver of Alpha-Cell Function—The Role of Sodium/Potassium ATPases in Glucose-Regulated Glucagon Secretion**
Presenting Author: Matthew Dickerson, PhD

12:30 p.m. - 1:30 p.m. **1659-P Oxytocin Is Robustly Expressed throughout the Small Intestine in Individuals with and without Type 2 Diabetes and Serum Neurophysin I Levels Are Reduced after Roux-en-y Gastric Bypass**
Presenting Author: Ida Marie Gether, MD

12:30 p.m. - 1:30 p.m. **1660-P Examining the Effects of Menstruation on Diabetes Management among People with Diabetes in the U.S. and EU**
Presenting Author: Anuradha Krishnan, BA

12:30 p.m. - 1:30 p.m. **1661-P Exogenous Oxytocin Has No Effect on Ad Libitum Food Intake or Postprandial Plasma Glucose Concentrations in Individuals with Obesity**
Presenting Author: Ida Marie Gether, MD

12:30 p.m. - 1:30 p.m. **1662-P Hyperglucagonemia and Glucose Tolerance in Humans with and without Gastric Bypass Surgery**
Presenting Author: Azam Alamari, MD

12:30 p.m. - 1:30 p.m. **1663-P RORDEP Polypeptides Synthesized by Commensal Bacteria in Human Intestines Improve Host Metabolism**

Presenting Author: Yong Fan, PhD

12:30 p.m. - 1:30 p.m. **1664-P Prostaglandin E2 Stimulates GLP-1 Secretion in the Isolated Perfused Rat Small Intestine**
Presenting Author: Valentina Abba, MSc

12:30 p.m. - 1:30 p.m. **1665-P Novel Spatiotemporal Analysis for Exploring Intestinal L-Cell Genesis and Differentiation**
Presenting Author: Takeshi Miyatsuka, MD, PhD

12:30 p.m. - 1:30 p.m. **1666-P The Insulin-Like Growth Factor Binding Protein 5 Signaling Axis Is a Novel Potential Therapeutic Target in Fibrosis**
Presenting Author: Monica Zocchi, PhD

12:30 p.m. - 1:30 p.m. **1667-P Effects of Low Androgenic Hormone Levels on Glycemic Metabolism and Ectopic Lipid Accumulation**
Presenting Author: Felipe Sucupira, Graduate student

12:30 p.m. - 1:30 p.m. **1668-P Cysteine Deficiency Impedes Glucagon Secretion in Pancreatic Alpha Cells**
Presenting Author: Soma Behera, Doctorate

12:30 p.m. - 1:30 p.m. **1669-P C18ORF25 as a Glucose Metabolism Regulator Drives Osteogenic Differentiation via the Canonical Wnt/β-catenin Pathway**
Presenting Author: Huan Chen, Doctor

12:30 p.m. - 1:30 p.m. **1670-P Enteroendocrine Deficiencies in PDX1- and RFX6-MODY**
Presenting Author: Lily Deng, MD

12:30 p.m. - 1:30 p.m. **1671-P Higher Levels of Testosterone Are Associated with Insulin Resistance (Hyperinsulinemia) in Men with Type 2 Diabetes Mellitus**
Presenting Author: Peter Paul M. Dapare, BSc, MPhil, PhD

12:30 p.m. - 1:30 p.m. **1672-P Prostaglandin D2 Stimulates GLP-1 Secretion Dose-Dependently in the Isolated Perfused Rat Colon**
Presenting Author: Tyler A. Cookson, MSc, HBSc

12:30 p.m. - 1:30 p.m. **1673-P Canagliflozin Accelerates Fasting Hypoglycemia in Sur1 Knockout Mice by Elevating GLP-1 Secretion**
Presenting Author: Shi Meng, Master's Degree

12:30 p.m. - 1:30 p.m. **1674-P Glucose–Insulin–Glucagon Interactions Evoked with Amino Acid Arginine in Participants with Type 2 Diabetes**
Presenting Author: Yuka Kaikoi, MD

12:30 p.m. - 1:30 p.m. **1675-P Study of Thyroid Dysfunction in Patients with Type 2 Diabetes Mellitus**
Presenting Author: Zach Miner, MD

12:30 p.m. - 1:30 p.m. **1676-P Glucagon Receptor Blockade REMD-77 Further Improves Fasting Hyperglycaemia after Bariatric Surgery, But Reduces Hepatic Fatty Acid Oxidation**
Presenting Author: Amalia Gastaldelli, PhD

12:30 p.m. - 1:30 p.m. **1677-P Characterizing the Gut Microbiome, Gut Epithelium, and Glucose Metabolism in Nulliparous and Parous-Aged Female Mice**
Presenting Author: Jennifer Lee, PhD

12:30 p.m. - 1:30 p.m. **1678-P Weight-Independent GLP-1RA Effects on Adipose Tissue PGC1-α and TERT in Insulin-Resistant Humans**

Presenting Author: Absalon D. Gutierrez, MD

12:30 p.m. - 1:30 p.m. **1679-P Significance of Glucagon in the Development of Ketosis-Prone Type 2 Diabetes**

Presenting Author: Atsushi Satomura, MD, PhD

12:30 p.m. - 1:30 p.m. **1680-P Intraperitoneal Insulin Partially Restores Growth Hormone Response to Hypoglycemia**

Presenting Author: Rayhan Lal, MD

12:30 p.m. - 1:30 p.m. **1681-P Estrogen Modulates Obesity Effects on Neurobehavioral Phenotypes in a Female Mouse Model of Alzheimer's Disease**

Presenting Author: Hanna Choi, BS

12:30 p.m. - 1:30 p.m. **1682-P Factors Associated with Postprandial Suppression of Endogenous Glucose Production in People without Diabetes**

Presenting Author: Sneha Mohan, MBBS

12:30 p.m. - 1:30 p.m. **1683-P Quantitative Assessment and Characterization of Glucagon Secretion Rate in Individuals with and without Obesity**

Presenting Author: Federica Boscolo, Master's Degree

SUNDAY, JUNE 22, 2025

12:30 p.m. - 1:30 p.m.

Session Break

Session Number: SB-02

Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

Room:

12:30 p.m. - 1:30 p.m.	**Session Break (Take this opportunity to visit the Exhibit and Poster Halls)**

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Ask the Expert

Theme Area: Acute and Chronic Complications

Session Number: AC-AE01-1.5

Hot Topics in Lipid Management in Diabetes

Room: W186 A-C

Chair(s): Arthi Thirumalai

1:30 p.m. - 1:50 p.m.	**What's New with Lp(a)?** Gregory Schwartz, MD, PhD
1:50 p.m. - 2:10 p.m.	**Upfront Lower-Dose Statin plus Ezetimibe for Managing Hyperlipidemia** Alberto Zambon, MD, PhD
2:10 p.m. - 2:30 p.m.	**To Treat or Not to Treat? Lipid-Lowering in Youth with Type 1 Diabetes and Low CV Risk** Shoshana Tell, MD
2:30 p.m. - 2:50 p.m.	**Does the Lipid-Lowering from Incretin Therapies Contribute to CVD Protection beyond Weight Loss?** Neha Pagidipati, MD, MPH
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Laura den Hartigh

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Panel Discussion

Theme Area: Acute and Chronic Complications

Session Number: AC-PN01-1.5

Maximizing Impact—Cost-Effectiveness and Real-World Outcomes of AI-Enabled Diabetic Retinopathy Screening Programs

Room: W183 A

Chair(s): Paolo S. Silva, MD

1:30 p.m. - 1:50 p.m.	**Cost-Effectiveness of AI-Enabled Diabetic Retinopathy Screening Programs** Roomasa Channa, MD
1:50 p.m. - 2:10 p.m.	**AI-Enabled Diabetic Retinopathy Screening Programs in Special Populations** Risa Wolf, MD
2:10 p.m. - 2:30 p.m.	**AI-Enabled Diabetic Retinopathy Screening Programs in Primary Care** Juan Ding, OD, PhD
2:30 p.m. - 2:50 p.m.	**AI-Enabled Diabetic Retinopathy Screening in a National Screening Program** Colin S. Tan, MD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paolo S. Silva

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY05-1.5

Show Me the Data! Using Continuous Glucose Monitoring Data to Drive Behavior Change

Room: W187 A-C

Chair(s): Amy Hess Fischl, MS, RDN, LDN, BC-ADM, CDCES

1:30 p.m. - 1:50 p.m.	**Tell Me Why—Using CGM to Drive Changes in Diabetes Self-Care** William H. Polonsky, PhD, CDCES
1:50 p.m. - 2:10 p.m.	**My CGM Told Me Not to Eat That—Using CGM to Drive Nutrition Change** Holly Willis, PhD, RDN, CDCES
2:10 p.m. - 2:30 p.m.	**Fueling Right, Tracking Tight—CGM-Guided Nutrition for Gestational Diabetes** Rachel Stahl Salzman, MS, RD, CDN, CDCES
2:30 p.m. - 2:50 p.m.	**The Good, the Bad, and the Ugly of Apps and Digital Programs That Use CGM Data** Sarah Hormachea, MS, RD, CDCES, BC-ADM
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Gretchen Benson

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY03-1.5

New Perspectives on Fetal and Placental Responses to Diabetes and Its Treatment

Room: W180

Chair(s): Camille E. Powe, MD

1:30 p.m. - 1:50 p.m.	**A Novel Pathway for the Regulation of Placental Nutrient Supply, Fetal Growth, and Its Relevance for Pregnancies Complicated by Diabetes** Paul J. Rozance, MD
1:50 p.m. - 2:10 p.m.	**Mechanisms Linking Neonatal Respiratory Distress to In Utero Hyperglycemia** Rita Ryan
2:10 p.m. - 2:30 p.m.	**Preeclampsia in Diabetes—Pathogenesis and Novel Diagnostics** S. Ananth Karumanchi, MD
2:30 p.m. - 2:50 p.m.	**What Causes Hyperemesis Gravidarum, and Can Metformin Prevent It?** Marlena Fejzo, PhD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Camille Powe

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY05-1.5

Unanticipated Hot Topics in GLP-1 +/- GIP RA

Room: W185 A-D

Chair(s): Rajesh Garg, MD

1:30 p.m. - 1:50 p.m.	**Compounded GLP-1 Medications—Navigating Concerns, Controversies, and Clinical Considerations** Angela Fitch, MD, FACP, MFOMA, Dipl ABOM
1:50 p.m. - 2:10 p.m.	**Do GLP-1/GIP-RAs Worsen or Improve Mental Health and Suicidality?** Roger McIntyre, MD, FRCPC
2:10 p.m. - 2:30 p.m.	**Investigations into Managing Addictions** Christian Hendershot, PhD
2:30 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY11-1.5

Future Ready—Breakthroughs in Pediatric Type 1 Diabetes Care

Room: W181 A-C

Chair(s): Paul Wadwa, MD

1:30 p.m. - 1:50 p.m.	**Automated Insulin Delivery Systems—Real-World Evidence and Insights** David M. Maahs, MD, PhD
1:50 p.m. - 2:10 p.m.	**From Discovery to Treatment—Latest Updates on Inhaled Insulin Treatment** Michael Haller, MD
2:10 p.m. - 2:30 p.m.	**Adjunctive Medical Therapy using SGLT2i for Youth with Type 1 Diabetes** Farid H. Mahmud, MD
2:30 p.m. - 2:50 p.m.	**Off-Label Therapies in Type 1 Diabetes—Verapamil Treatment for New-Onset Diabetes** Laya Ekhlaspour, MD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Eda Cengiz

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY15-1.5

The Golden Oldies in Diabetes Management

Room: W184 A-D

Chair(s): Daniel J. Rubin, MD, MSc, FACE

1:30 p.m. - 1:50 p.m.	**Metformin** Marjorie K. L. Mau, MD, MSc, MACP
1:50 p.m. - 2:10 p.m.	**Sulfonylurea** William H. Herman, MD, MPH
2:10 p.m. - 2:30 p.m.	**Thiazolidinedione** Devjit Tripathy, MD, PhD
2:30 p.m. - 2:50 p.m.	**NPH and Regular Insulin—Still Relevant or Relics of a Past Era?** Samir Malkani, MD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY25-1.5

ADA Symposium—Major Advances and Discoveries in Diabetes—Year in Review

Room: W183 BC

Chair(s): Mark A. Atkinson, PhD

1:30 p.m. - 1:50 p.m.	**Basic** Martin G. Myers, MD, PhD
1:50 p.m. - 2:10 p.m.	**Translational—Associations between Physical Activity, Brain Health, Cognitive Function, and Circulating GPLD1—From Mice to Humans** Eric Ravussin, PhD
2:10 p.m. - 2:30 p.m.	**Clinical** Jennifer B. Green, MD
2:30 p.m. - 3:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY40-1.5

Advancing and Facilitating Basal Insulin Therapy in Type 2 Diabetes—Breaking News on the QWINT 1, 3, and 4 Trials with Once-Weekly Insulin Efsitora Alfa!

Room: W375 A

Chair(s): Julio Rosenstock, MD

1:30 p.m. - 1:40 p.m.	**Overview of Efsitora Profile and QWINT Program** Richard M. Bergenstal, MD
1:40 p.m. - 2:00 p.m.	**QWINT-3 Trial—Long-Term Efficacy and Safety of Insulin Efsitora as a Weekly Basal Insulin Compared with Insulin Degludec in Participants with Type 2 Diabetes Currently Treated with Basal Insulin** Athena Philis-Tsimikas, MD
2:00 p.m. - 2:20 p.m.	**QWINT-4 Trial—Efficacy and Safety of Insulin Efsitora as a Weekly Basal Insulin Compared with Insulin Glargine in Participants with Type 2 Diabetes on Multiple Daily Injections** Thomas Blevins, MD
2:20 p.m. - 2:40 p.m.	**QWINT-1 Trial—Efficacy and Safety of Insulin Efsitora as a Weekly Basal Insulin Using a Novel Fixed-Dose Escalation Compared with Insulin Glargine in Insulin-Naïve Participants with Type 2 Diabetes** Julio Rosenstock, MD
2:40 p.m. - 2:50 p.m.	**Weekly Basal Insulins—Is This a Paradigm Shift into Insulin Basal Treatment for Type 2 Diabetes?** Chantal Mathieu, MD, PhD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Panel Discussion

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-PN02-1.5

Genetic Regulation of Beta-Cell Mass and Function in Humans—Lessons from GWAS and Rare Genetics

Room: W194 AB

1:30 p.m. - 1:50 p.m.	**MAFA—Rare Genetic Variant with Sexually Dysmorphic Effects on Beta-Cell Function** Jeeyeon Cha, MD, PhD
1:50 p.m. - 2:10 p.m.	**Genetically Modified Pseudoislets to Study Effects of Rare Genetic Variants on Beta-Cell Function** Romina Bevacqua
2:10 p.m. - 2:30 p.m.	**Integrating Multiomic Data to Understand Complex Gene Regulatory Networks in Islets** Anna Gloyn, DPhil
2:30 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Manami Hara, Alejandro Caicedo, and Teresa Mastracci

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY02-1.5

Innovative Cellular and Tolerogenic Therapies in Type 1 Diabetes

Room: W196 BC

Chair(s): Maria Bettini, PhD

1:30 p.m. - 1:50 p.m.	**Tolerogenic DCs as a Therapy for Type 1 Diabetes** Silvia Gregori
1:50 p.m. - 2:10 p.m.	**Low-Dose IL-2/CD25 Remodels Inflamed Tissues to Limit Autoimmunity** Tom Malek, PhD
2:10 p.m. - 2:30 p.m.	**Engineering Tregs for Immunotherapy** Qizhi Tang, PhD
2:30 p.m. - 2:50 p.m.	**Induction of T-Cell Exhaustion for Treatment of Type 1 Diabetes** Paolo Serafini, PhD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Maria Bettini

SUNDAY, JUNE 22, 2025

1:30 p.m. - 3:00 p.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN05-1.5

Physiologic Underpinnings behind New Therapies for MASLD and Diabetes

Room: W192 A-C

Chair(s): Nicola Santoro, MD, PhD

1:30 p.m. - 1:50 p.m.	**Thyroid Hormone/Thyroid Hormone Receptor and MASLD** Christopher D. Byrne, MB BCh, PhD
1:50 p.m. - 2:10 p.m.	**GLP-1RA and MASLD** Arun Sanyal, MD
2:10 p.m. - 2:30 p.m.	**SGLT2i and MASLD** Muhammad Ghani, MD, PhD
2:30 p.m. - 2:50 p.m.	**Pioglitazone and MASLD** Rena Belfort De Aguiar, MD, PhD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Janice Hwang

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR03-1

Interventions to Prevent Hypoglycemia—Bench-to-Bedside

Room: W181 A-C

Chair(s): David A. Baidal, MD

3:15 p.m. - 3:30 p.m.	**241- OR Hypoglycemia Prevention in High-Risk Patients with Type 2 Diabetes—A Pragmatic Randomized Controlled Trial** Presenting Author: Lisa K. Gilliam, MD, PhD
3:30 p.m. - 3:45 p.m.	**242-OR Effects of Automated Insulin Delivery (AID) on Impaired Awareness of Hypoglycemia (IAH) in Older Adults with Type 1 Diabetes in the AIDE Study** Presenting Author: Anika Bilal, MD
3:45 p.m. - 4:00 p.m.	**243-OR Edaravone Protects the Hippocampus from Brain Damage following Insulin-Induced Severe Hypoglycemia** Presenting Author: Andrea Thompson, BS
4:00 p.m. - 4:15 p.m.	**244-OR Sotagliflozin Added to Insulin Reduces the Risk of Clinically Important Hypoglycemic Events in Adults with Type 1 Diabetes Regardless of Kidney Function** Presenting Author: Marquette B. Hardin, PharmD

Responsible Committee Member(s): Rozalina McCoy

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR10-1

Emerging Mechanisms, Risk Factors, and Cellular Insights in Diabetic Neuropathy and Cognitive Impairment

Room: W183 A

Chair(s): Dinesh Selvarajah, MB, ChB, MRCP, PhD

3:15 p.m. - 3:30 p.m.	**245-OR Plasma Methylglyoxal Is Linked to Nerve Dysfunction and Predicts Increased Neuropathic Pain Intensity over Six Years in Diabetic Polyneuropathy** Presenting Author: Gundega Sipola, MD
3:30 p.m. - 3:45 p.m.	**246-OR Single Nuclei Multiome Sequencing Reveals Subtype-Specific Changes in Oligodendrocytes Imparted by the Metabolic Syndrome** Presenting Author: Mohamed H. Noureldein, PhD
3:45 p.m. - 4:00 p.m.	**247-OR Risk Factors for 30-Year Incidence of Two Peripheral Neuropathy Phenotypes in Type 1 Diabetes (T1D)** Presenting Author: Jiayi Zhou, MS
4:00 p.m. - 4:15 p.m.	**248-OR Thyroid-Stimulating Hormone Aggravates Ferroptosis in Schwann Cells via Suppression of the Nrf2/GPX4 Pathway—Implications for Diabetic Peripheral Neuropathy** Presenting Author: Sijia Fei, PhD

Responsible Committee Member(s): Lynn Ang

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR12-1

Molecular and Metabolic Mechanisms in Diabetic Retinopathy

Room: W186 A-C

Chair(s): Renu Kowluru, MS, PhD

3:15 p.m. - 3:30 p.m.	**249-OR Long Noncoding RNA in Mitochondrial Stability in Diabetic Retinopathy** Presenting Author: Renu Kowluru, MS, PhD
3:30 p.m. - 3:45 p.m.	**250-OR Cytokines Differentially Alter Tight Junctional Proteins to Increase Retinal Microvascular Endothelial Cell Permeability** Presenting Author: Irina De la Huerta, MD, PhD
3:45 p.m. - 4:00 p.m.	**251-OR Differential DNA Methylation Patterns in the Retina and White Blood Cells Associated with Type 1 Diabetes and Retinopathy** Presenting Author: Mingming Ma, MD, PhD
4:00 p.m. - 4:15 p.m.	**252-OR Associations of Serum Lipid Profiles with Diabetic Macular Edema and Retinal Structural Alterations** Presenting Author: Zhaohe Gu, Master's Degree

Responsible Committee Member(s): Paolo Silva

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR13-1

Traditional and Emerging Therapeutic Methods for Lipid Management in Diabetes

Room: W183 BC

Chair(s): Vanita R. Aroda, MD

3:15 p.m. - 3:30 p.m.	**253- OR Statin Prescriptions for Prevention of Atherosclerotic Cardiovascular Disease in Adults 40–75 Years Old with Type 1 Diabetes** Presenting Author: Michelle D. Lundholm, MD
3:30 p.m. - 3:45 p.m.	**254-OR GLP-1(32-36) Peptide Promotes Diabetic Ischemia Recovery through Independent GLP-1R Pathway to Mediate Lipid Transport** Presenting Author: Yikai Zhang, Research Assistant
3:45 p.m. - 4:00 p.m.	**255-OR Therapeutic Potential of Intestinal Epithelial Organoids–Derived Exosomes in Ameliorating Steatohepatitis** Presenting Author: Soojung Hahn, PhD
4:00 p.m. - 4:15 p.m.	**256-OR Omega-6 Fatty Acids in Neonatal Life—Impairing Adipocyte Metabolism by Programing Adipocyte Stem-Like Cells through NR2F2 Suppression** Presenting Author: Michael Rudolph, PhD

Responsible Committee Member(s): Laura den Hartigh

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR16-1

From Bench to Big Data—Integrating Human Data and Animal Models to Improve Diabetic Foot Outcomes

Room: W180

Chair(s): Manoj K. Bhasin, PhD

3:15 p.m. - 3:30 p.m.	**258-OR Perioperative Glucose Management and Amputation Outcomes** Presenting Author: Christopher Girgis, DPM
3:30 p.m. - 3:45 p.m.	**259-OR Evaluating Diabetic Foot Ulcer Recognition Algorithms for Patients of Color** Presenting Author: Cynthia Baseman, MS
3:45 p.m. - 4:00 p.m.	**260-OR Differential Effect of GLP-1RA and SGLT2 Inhibitors on Lower Extremity Amputation Outcomes in Type 2 Diabetes** Presenting Author: Alexander T. Hong, BS

Responsible Committee Member(s): Amanda Killeen

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR02-1

Digital Diabetes Education—AI, Social Media, and Innovative Learning for Better Outcomes

Room: W184 A-D

Chair(s): Ruben Diaz, DNP, FNP-BC, BC-ADM, CDCES

3:15 p.m. - 3:30 p.m.	**261- OR Validation of Mitraa, a GPT-Based Conversational Model for Enhancing Diabetes Self-Management and Education** Presenting Author: Bharat Saboo, MBBS, MSc, D.DIAB
3:30 p.m. - 3:45 p.m.	**262-OR A Digital Health Study—The Quality of TikTok-Based Diabetes Self-Management Education in English and Spanish** Presenting Author: Lisa Diaz, MSN, CDCES, RN
3:45 p.m. - 4:00 p.m.	**263-OR Impact of Pharmacist-Led Digital Education Program on Diabetes Medication Adherence—A Large-Scale Retrospective Cohort Study in Japan** Presenting Author: Masaya Sakamoto, MD, PhD
4:00 p.m. - 4:15 p.m.	**264-OR Carbohydrate Nutritional Knowledge and Diabetes Outcomes According to Different Mode of Insulin Administration in Patients Living with Type 1 Diabetes from the French SFDT1 Cohort** Presenting Author: Emmanuel Cosson, MD, PHD

Responsible Committee Member(s): Jenny DeJesus and Rebecca Longo

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR04-1

Exercise Types—Mechanisms of Actions and Modeling Effects

Room: W190 A

Chair(s): Michael C. Riddell, PhD

3:15 p.m. - 3:30 p.m. **265- OR Exercise-Induced Lactylation of WDR41 Initiates Autophagy and Improves MASLD**
Presenting Author: Congcong He, PhD

3:30 p.m. - 3:45 p.m. **266-OR Blood-Flow Restriction Resistance Training Improves Muscle Mitochondrial Function in Type 2 Diabetes**
Presenting Author: Dominik Pesta, PhD

3:45 p.m. - 4:00 p.m. **267-OR Acute Effects of Resistance Exercise on Blood Glucose Levels in Postmenopausal Females with Type 1 Diabetes—A Pilot Study**
Presenting Author: Jane E. Yardley, PhD

4:00 p.m. - 4:15 p.m. **268-OR Modeling Metabolic Changes in Glucose Physiology during Physical Activity in T1D**
Presenting Author: Eleonora Maria Aiello, PhD

Responsible Committee Member(s): Michael Riddell

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR06-1

New—and Surprising—Ways to Lower Glucose in Diabetes

Room: W192 A-C

Chair(s): Eric L. Johnson, MD

3:15 p.m. - 3:30 p.m.	**269- OR Glucagon Antagonism Improves Insulin Sensitivity and Increases Lean Body Mass in Patients with Type 1 Diabetes—A Twelve-Week Double-Blind, Randomized, Placebo-Controlled Trial** Presenting Author: Jeremy H. Pettus, MD
3:30 p.m. - 3:45 p.m.	**270-OR Risk of Severe Hypoglycemia Associated with Concomitant Use of Sulfonylurea and Amiodarone** Presenting Author: Sungho Bea, PharmD, PhD
3:45 p.m. - 4:00 p.m.	**271-OR Randomized Phase 1 Single-Ascending Dose Study of ENT-03 in Healthy Obese Subjects and Subjects with Type 2 Diabetes** Presenting Author: Richard S. Larson, MD, PhD
4:00 p.m. - 4:15 p.m.	**272-OR COVALENT-111: 26-Week Efficacy and Safety after 8 and 12 Weeks of Daily Oral Icovamenib in Patients with Poorly Controlled Type 2 Diabetes** Presenting Author: Juan P. Frias, MD

Responsible Committee Member(s): Rajesh Garg and Leigh Perreault

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR11-1

Adaptation of Diabetes Technologies

Room: W185 A-D

Chair(s): Jessie J. Wong, PhD

3:15 p.m. - 3:30 p.m.	**273- OR Moving the Goalposts—Do Adults with Type 1 Diabetes (T1D) Want Time in Tight Range?** Presenting Author: Molly L. Tanenbaum, PhD
3:30 p.m. - 3:45 p.m.	**274-OR Association between Continuous Glucose Monitoring–Derived Metrics and Diabetes Complications—Data from People with Type 1 Diabetes in Saudi Arabia** Presenting Author: Mohammed Al-Sofiani, MBBS, MSc
3:45 p.m. - 4:00 p.m.	**275-OR Change in Hypoglycemia Fear and Frequency with the Use of Automated Insulin Delivery—A Prospective Analysis of the Type 1 Diabetes Better Registry** Presenting Author: Meryem K. Talbo, MSc, PhD
4:00 p.m. - 4:15 p.m.	**276-OR T1D Exchange Multicenter Study—Increasing CGM Adoption in Type 2 Diabetes** Presenting Author: Ori Odugbesan, MD, MPH

Responsible Committee Member(s): Halis Akturk, Natalie Bellini, and Priya Prahalad

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR16-1

Rising Risks, Real Solutions—Tackling Childhood Type 2 Diabetes and Obesity

Room: W187 A-C

Chair(s): Stephanie T. Chung, MBBS

3:15 p.m. - 3:30 p.m. **277- OR OCT1 and TCF7L2 Variants Modulate Metformin–Liraglutide Pharmacokinetics and Glycemia in African American Youth-Onset Type 2 Diabetes—The MIGHTY Study**
Presenting Author: Samson L. Cantor, BA

3:30 p.m. - 3:45 p.m. **278-OR Higher Static Phase Insulin Secretory Rate Compensates for Lower Insulin Sensitivity in South Asian Youth—The Charisma Study**
Presenting Author: Talia A. Hitt, MD, MPH, MSHP

3:45 p.m. - 4:00 p.m. **279-OR The Relationship of Relative Fat Mass (RFM) to In Vivo Peripheral, Hepatic, and Adipose Insulin Sensitivity (IS) and Cardiometabolic Risk Factors in Youth across the Adiposity Spectrum**
Presenting Author: Wonhee Cho, MS, MPH

4:00 p.m. - 4:15 p.m. **280-OR Insulin Sensitivity following an In-Home Sleep and Circadian Intervention for Habitually Short-Sleeping Adolescents**
Presenting Author: Stacey L. Simon, PhD

Responsible Committee Member(s): Eda Cengiz

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:00 p.m.

Special Lectures and Addresses

Theme Area: Epidemiology/Genetics

Session Number: EG-KWL-1

Kelly West Award for Outstanding Achievement in Epidemiology Lecture

Room: W375 A

3:15 p.m. - 4:00 p.m.

Hong Kong Diabetes Register—Redefining Diabetes and Creating Solutions

Juliana C. N. Chan, MBChB, MD, FHKAM, FHKCP, FRCP

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR05-1

The Islet Facing Adversity—Adaptive Mechanisms

Room: W194 AB

Chair(s): David W. Piston, PhD

3:15 p.m. - 3:30 p.m.	**281- OR Time-Restricted Feeding Prevents Deleterious Effects of Diet-Induced Obesity on Circadian Regulation of β-Cell Function and Transcription** Presenting Author: Luhui Zhang, MS
3:30 p.m. - 3:45 p.m.	**282-OR Pancreatic Alpha Cells Integrate Neuronal and Immune Stimuli for Insulin Secretion** Presenting Author: Kelly Trimigliozzi, PhD
3:45 p.m. - 4:00 p.m.	**283-OR β-Cell 14-3-3ζ Ablation Protects against Metabolic Stress in Mice** Presenting Author: Rahaf Shishani, MS
4:00 p.m. - 4:15 p.m.	**284-OR Physiologic Compensation to Metabolic Stress following Islet α-Cell Loss** Presenting Author: Rachel B. Reinert, MD, PhD

Responsible Committee Member(s): Alejandro Caicedo, Manami Hara, and Teresa Mastracci

SUNDAY, JUNE 22, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-PN02-1

Encapsulation vs. Naked Cell Therapy—Immune Challenges and Beta-Cell Perspectives in Diabetes Treatment

Room: W196 BC

Chair(s): Cherie Stabler

3:15 p.m. - 4:15 p.m. **Panel Discussion**

Melena Bellin, MD

Mark A. Atkinson, PhD

Matthias von Herrath, MD

Responsible Committee Member(s): Holger Russ

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY09-1.5

Re-examining the Dogma of the Dietary Treatment of Non-Severe Hypoglycemia—Does the Rule of 15 Still Apply?

Room: W186 A-C

Chair(s): Anna Kahkoska, MD, PhD

4:30 p.m. - 4:50 p.m.	**Is It Time to Change the Universal Rule of 15 for the Treatment of Level 1 and Level 2 Hypoglycemia?** Remi Rabasa-Lhoret, MD, PhD
4:50 p.m. - 5:10 p.m.	**When Hypoglycemia Hits an Automated Insulin Delivery User—What May Come to the Mind and How Much Should Go in the Mouth?** Yu Kuei 'Alex' Lin, MD
5:10 p.m. - 5:30 p.m.	**Considerations for Hypoglycemia Treatment in Various Settings and Populations** Elena Toschi, MD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Rozalina McCoy

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY01-1.5

Physiologic Adaptations to Exercise in Diabetes

Room: W180

4:30 p.m. - 4:45 p.m.	**Pancreatic Islets** Cristina Aguayo-Mazzucato, MD, PhD
4:45 p.m. - 5:00 p.m.	**Cardiac and Vascular Adaptations** Judith Regensteiner, PhD
5:00 p.m. - 5:15 p.m.	**Liver and Adipose Tissue Adaptations** Kristin Stanford, PhD
5:15 p.m. - 5:30 p.m.	**Skeletal Muscle Adaptations** Lauren Sparks, PhD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Michael Riddell

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-SY02-1.5

Ready, Set, Go—Outcomes of Behavioral Transition Interventions for Adolescents and Young Adults with Diabetes

Room: W183 A

Chair(s): Samantha Carreon, PhD

4:30 p.m. - 4:50 p.m.	**Behavioral Family Systems Therapy for Diabetes Transition (BFST-DT)— Trial of a Family Intervention for Adolescents with Type 1 Diabetes in Preparation for the Transition to Adult Care** Jaclyn L. Papadakis, PhD
4:50 p.m. - 5:10 p.m.	**DiaBetter Together—RCT of a Peer Mentor-Delivered, Strengths-Based Intervention during the Transfer from Pediatric to Adult Care in Type 1 Diabetes** Marisa E. Hilliard, PhD
5:10 p.m. - 5:30 p.m.	**NICH LAUNCH (Leading Emerging Adults in Understanding and Navigating Challenges in Health Care)—Multisystem Intervention Targeting Young Adults with Diabetes Who Have Transitioned Care and Are High Risk, High Needs, and High Cost** Michael Harris, PhD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Elizabeth Beverly

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Ask the Expert

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-AE02-1.5

Use of GLP-1RAs and SGLT2i with Automated Insulin Delivery Systems

Room: W185 A-D

Chair(s): Halis K. Akturk, MD

4:30 p.m. - 5:00 p.m.	**AID and GLP-1—Adjusting Automated Insulin Delivery Systems to Optimize Time in Range** Viral N. Shah, MD
5:00 p.m. - 5:30 p.m.	**AID and SGLT2i—Adjusting Automated Insulin Delivery Systems to Optimize Time in Range** Anders Carlson, MD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY06-1.5

Next Generation Therapies for Type 2 Diabetes and Obesity

Room: W184 A-D

Chair(s): Leigh Perreault, MD

4:30 p.m. - 4:50 p.m.	**GLP-1/Glucagon Receptor Agonists** Dimitris Papamargaritis, PhD
4:50 p.m. - 5:10 p.m.	**Amylin Receptor Agonists** Thomas A. Lutz, DVM, PhD
5:10 p.m. - 5:30 p.m.	**GIP Agonism vs. Antagonism** David D'Alessio, MD
5:30 p.m. - 5:50 p.m.	**Glucagon Antagonist** Sofie Hædersdal, MD, PhD
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY23-1.5

SOUL Trial—Effects of Oral Semaglutide on Cardiovascular (and Other) Outcomes in People with Type 2 Diabetes at High CV Risk

Room: W375 A

Chair(s): John B. Buse, MD, PhD; Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC

4:30 p.m. - 4:40 p.m.	**SOUL Rationale, Design, and Baseline Characteristics** Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC
4:40 p.m. - 4:50 p.m.	**Impact of Oral Semaglutide on CV and Kidney Outcomes and Safety Signals** Rodica Pop-Busui, MD, PhD
4:50 p.m. - 5:00 p.m.	**Efficacy and Safety of Oral Semaglutide with or without SGLT2i Background Therapy** Nikolaus Marx, MD, FESC, FAHA
5:00 p.m. - 5:15 p.m.	**SOUL—Associations with HbA1c and BMI** John B. Buse, MD, PhD
5:15 p.m. - 5:30 p.m.	**Stroke Outcomes in SOUL** Silvio E. Inzucchi, MD
5:30 p.m. - 5:45 p.m.	**Clinical Context from a Cardiologist's Perspective** John Deanfield, MB, BChir, FRCP, FESC, FACC
5:45 p.m. - 6:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY27-1.5

Global Diabetes Guidelines—Bridging Borders for Collaborative Care and Shared Insights

Room: W183 BC

Chair(s): Raveendhara Bannuru, MD, PhD, FAGE

4:30 p.m. - 4:35 p.m.	**Introduction**
4:35 p.m. - 4:47 p.m.	**Similarities and Differences in the Development of Guidelines Across the World** Nuha A. El Sayed, MD, MMSc
4:47 p.m. - 4:59 p.m.	**Perspectives on Diabetes Care Guidelines in Latin America** Pablo Aschner, MD, MSc
4:59 p.m. - 5:11 p.m.	**Managing People with Diabetes While they are Fasting** Mohamed Hassanein, FRCP, CCST, MPHIL
5:11 p.m. - 5:23 p.m.	**Guideline Recommended Risk Factor Target Achievements in People with Type 2 Diabetes** Kamlesh Khunti, PhD, MD, FRCGP, FRCP, FMedSci
5:35 p.m. - 5:47 p.m.	**Challenges and Solutions in Implementing Guidelines in Low- and Middle-Income Countries** Viswanathan Mohan, MD, PhD, DSc, FRCP, FNA, FACE, MACP, FRSE
5:47 p.m. - 6:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY34-1.5

Diabetes Care—Let's Pick Up the Pace—Addressing Inequities in Diabetes Care

Room: W187 A-C

4:30 p.m. - 4:50 p.m.	**Nonmedical Factors That Influence Diabetes-Related Complications** Athena Philis-Tsimikas, MD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY36-1.5

Health Equity Symposium—Community Interventions and Connections

Room: W181 A-C

Chair(s): Terri Wiggins

4:30 p.m. - 4:50 p.m.	**Connective Tissue—Community Health Workers** Matthew F. Bouchonville, MD, CDCES
4:50 p.m. - 5:10 p.m.	**Innovative Approaches to Inclusive Research—Clinical Trials** Cindy Pau
5:10 p.m. - 5:30 p.m.	**Is "Food as Medicine" Still a Thing? Food Pharmacy in Action** Matthew Pieper
5:30 p.m. - 5:50 p.m.	**Elevating the Hub-and-Spoke Approach—Creating Sustainable Community Interventions** Perina Gaines, RN, BSN
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY01-1.5

Polygenic Scores in Research, Clinical Classification, and Prediction—Opportunities and Hurdles for Translation

Room: W190 A

Chair(s): Richard A. Oram, MD, PhD

4:30 p.m. - 4:50 p.m.	**Basic Concepts of Polygenic Scores and Their Use in Diverse Populations** Leslie Lange, PhD
4:50 p.m. - 5:10 p.m.	**Polygenic Scores in Type 1 Diabetes** Aaron Deutsch, MD
5:10 p.m. - 5:30 p.m.	**Polygenic Scores in Type 2 Diabetes** Josep Mercader, PhD
5:30 p.m. - 5:50 p.m.	**Future of Polygenic Scores in Biobanks, Communities, and Screening** Eimear Kenny, PhD
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Cassandra Spracklen

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR03-1.5

Insulin Action and Its Systemic Effects

Room: W194 AB

Chair(s): Alexander Banks, PhD

4:30 p.m. - 4:45 p.m.	**285- OR A Kinase-Mediated Signaling and Glucose Uptake Defect in Human Insulin Resistance** Presenting Author: Nida Haider, PhD
4:45 p.m. - 5:00 p.m.	**286-OR Spatial Regulation of Glucose and Lipid Metabolism by Hepatic Insulin Signaling** Presenting Author: Rongya Tao, PhD
5:00 p.m. - 5:15 p.m.	**287-OR Physiological and Cellular Effects of Ligand and Kinase Independent Action of the Insulin Receptors in Liver** Presenting Author: Anindya Ghosh, PhD
5:15 p.m. - 5:30 p.m.	**288-OR Increased Insulin Signaling Is Associated with a Proatherogenic Lipoprotein Profile** Presenting Author: Michael Hwang, BA
5:30 p.m. - 5:45 p.m.	**289-OR Insulin Receptor Regulation across Adipose Tissues and Its Impact on Systemic Metabolism** Presenting Author: Yingying (Joy) Yu, PhD
5:45 p.m. - 6:00 p.m.	**290-OR Association of Pathophysiological Markers with Type 2 Diabetes Subtypes** Presenting Author: Jiali Guo, MPH

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY01-1.5

Microbiota and Immune Interactions in Early Life—Impact on Health and Disease

Room: W192 A-C

Chair(s): Matt Bettini, PhD

4:30 p.m. - 4:50 p.m.	**Interactions between Microbiome and the Immune System Affect Autoimmunity** Sasha Chervonsky, MD, PhD
4:50 p.m. - 5:10 p.m.	**Role of the Gut Microbiome in Early-Life Health and Disease** Jayne Danska, PhD
5:10 p.m. - 5:30 p.m.	**Leveraging Early-Life Microbes to Prevent Type 1 Diabetes** Mike A. Silverman, MD, PhD
5:30 p.m. - 5:50 p.m.	**Early-Life Host-Microbe Interactions Shape Organ Function and Type 1 Diabetes Susceptibility** Jennifer Hill, PhD
5:50 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Maria Bettini

SUNDAY, JUNE 22, 2025

4:30 p.m. - 6:00 p.m.

Panel Discussion

Theme Area: Obesity/Integrated Physiology

Session Number: IP-PN02-1.5

From Glucose Streams to Phenotype Dreams—The Future of Continuous Monitoring

Room: W196 BC

Chair(s): Rena Belfort De Aguiar, MD, PhD

4:50 p.m. - 5:10 p.m.	**Novel Uses of CGM in Gestation (and Gestational Diabetes)** Celeste Durnwald, MD
5:10 p.m. - 5:30 p.m.	**Transforming Diabetes Subtyping and Management Using CGM and Big Data** Michael Snyder, PhD
5:30 p.m. - 6:00 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Janice Hwang

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-PN01-1.5

ExerciseRx—Still Relevant for Diabetes in the Modern Age of Pharmacotherapy?

Room: W183 A

Chair(s): Jane Yardley

8:00 a.m. - 8:20 a.m.	**Exercise, Still the Magic Pill** Michael J. Joyner, MD
8:20 a.m. - 8:40 a.m.	**Why a Resistance Exercise Prescription Is Needed with Incretin Therapy and How to Prescribe It** Carla Prado, PhD, RD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Michael Riddell

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Panel Discussion

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-PN02-1.5

Diabetes Care Deadlock—Integrating Behavioral Health to Overcome Barriers

Room: W186 A-C

Chair(s): Jessie J. Wong, PhD

8:00 a.m. - 8:20 a.m.	**Stuck with Meds? Navigating the Next Steps** Mandy Reece, PharmD, CDCES
8:20 a.m. - 8:40 a.m.	**Tech Troubles—Facing the Challenges** Marilyn D. Ritholz, PhD
8:40 a.m. - 9:00 a.m.	**Nutrition and Exercise—Solutions for Getting Back on Track** Maureen Chomko, RD, CDCES
9:00 a.m. - 9:20 a.m.	**Diabetes Burnout—Breaking the Cycle and Reclaiming Balance** Lauren Gulley, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Elizabeth Beverly

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Ask the Expert

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-AE04-1.5

Old Dog, New Tricks? Making Sense of the New Research in Care Delivery

Room: W183 BC

Chair(s): Amisha Wallia, MD, MS

8:00 a.m. - 8:10 a.m.	**Randomized Controlled Trials/Pragmatic Trials—Hallmark Examples** Deborah J. Wexler, MD, MSc
8:10 a.m. - 8:20 a.m.	**Implementation Science** Rachel G. Tabak, PhD, RD
8:20 a.m. - 8:30 a.m.	**CBPR/Qualitative Analysis** Jennifer Raymond, MD, MCR
8:30 a.m. - 8:40 a.m.	**Natural Experiments** Ronald T. Ackermann, MD, MPH
8:40 a.m. - 8:50 a.m.	**Epi/AI/Big Data/Pharmaco-Epi (Epi)** Michelle Shardell, PhD
8:50 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Amisha Wallia

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY07-1.5

Adjunctive Therapies to Prevent Complications in Type 1 Diabetes

Room: W184 A-D

Chair(s): Jeremy H. Pettus, MD

8:00 a.m. - 8:20 a.m.	**Glucagon Receptor Antagonist** Schafer Boeder, MD
8:20 a.m. - 8:40 a.m.	**Glucokinase Activator** Klara R. Klein, MD, PhD
8:40 a.m. - 9:00 a.m.	**SGLT2i** Bruce Perkins, MD, MPH, FRCP(C)
9:00 a.m. - 9:20 a.m.	**Incretins (GLP-1 and GLP-1/GIP Dual Agonists)** Justin Gregory, MD, M.S.C.I
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY08-1.5

Use of Diabetes Technology in Outpatient Pregnancy Management

Room: W181 A-C

Chair(s): Davida F. Kruger, MSN, APN-BC, BC-ADM

8:00 a.m. - 8:30 a.m.	**Practical Tips for Using CGM in Pregnancy** Christopher Nau, MD
8:30 a.m. - 9:00 a.m.	**Automated Insulin Delivery Systems in Pregnancy—Working with Systems to Optimize Outcomes** Emily Szmuilowicz, MD, MS
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Natalie Bellini, Halis Akturk, and Priya Prahalad

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY22-1.5

Continuous Ketone Monitoring—Innovations and Clinical Applications

Room: W185 A-D

Chair(s): Rodolfo J. Galindo, MD; David M. Maahs, MD, PhD

8:00 a.m. - 8:20 a.m.	**Ketosis and DKA—Physiology and Clinical Impact on People with Diabetes** Ketan Dhatariya, MBBS, MSc, MD, MS, FRCP, PhD
8:20 a.m. - 8:40 a.m.	**Methods to Detect Ketones and Current Approaches to Prevent DKA** Lori M. Laffel, MD, MPH
8:40 a.m. - 9:00 a.m.	**Ketone Sensor Performance Criteria and Current Study Data** Jennifer L. Sherr, MD, PhD
9:00 a.m. - 9:20 a.m.	**Continuous Ketone Monitoring—How Broad Is the Potential Clinical Impact?** Richard M. Bergenstal, MD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY41-1.5

Can We Improve the Quality of Weight Loss by Augmenting Fat Mass Loss while Preserving Lean Mass? The BELIEVE Study of Bimagrumab + Semaglutide

Room: W375 A

8:00 a.m. - 8:20 a.m.	**Activin Pathway Inhibition in Adipose Tissue and Muscle—The Bimagrumab Story** Ronenn Roubenoff, MD, MHS
8:20 a.m. - 8:30 a.m.	**BELIEVE Study Design—A Multinational, Double-Blind, Placebo-Controlled, Phase 2 Study of Bimagrumab and/or Semaglutide in People with Obesity/Overweight without Diabetes** Penelope Montgomery, MD
8:30 a.m. - 8:50 a.m.	**BELIEVE Study Efficacy and Safety Results—Weight Loss and Body Composition** Steven B. Heymsfield, MD
8:50 a.m. - 9:10 a.m.	**BELIEVE Study Results—Visceral Fat, Inflammation, and Metabolic Endpoints** Louis J. Aronne, MD, FACP, DABOM
9:10 a.m. - 9:30 a.m.	**The BELIEVE Study—Question and Answer, and Panel Discussion** Ania M. Jastreboff, MD, PhD

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY02-1.5

Shared Genetic Etiologies between Type 2 Diabetes and Related Complications and Comorbidities

Room: W190 A

Chair(s): Stephen S. Rich, PhD

8:00 a.m. - 8:20 a.m.	**Genetics of Diabetic Retinopathy** Lucia Sobrin, MD, MPH
8:20 a.m. - 8:40 a.m.	**Genetic and Molecular Pathways of Chronic Kidney Disease** Katalin Susztak, MD, PhD, MS
8:40 a.m. - 9:00 a.m.	**Shared Genetic Architecture between Type 2 Diabetes and Mental Health** Laura Huckins
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Cassandra Spracklen

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY07-1.5

Lancet Journal Symposium—Early-Onset Type 2 Diabetes

Room: W187 A-C

Chair(s): Callam Davidson, PhD; Naveed Sattar, MBChB, PhD

8:00 a.m. - 8:25 a.m.	**Early-Onset Type 2 Diabetes—The Next Major Epidemiological Transition** Shivani Misra, MD, PhD
8:25 a.m. - 8:50 a.m.	**The Impact of Early-Onset Type 2 Diabetes on Pregnancy Outcomes and Future Health Trajectories** Lee-Ling Lim
8:50 a.m. - 9:15 a.m.	**Approaches to Managing Early-Onset Type 2 Diabetes—From the Individual to the Population** Shivani Misra, MD, PhD
9:15 a.m. - 9:30 a.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-SY05-1.5

Joint ADA/IPITA Symposium—Outpacing the Immune System—Sprinting towards Immune Protection for Cell Replacement Therapy

Room: W192 A-C

8:00 a.m. - 8:20 a.m.	**Utilizing Genome Engineering to Avoid Immune Recognition of Pancreatic Beta Cell** Audrey Parent, PhD
8:20 a.m. - 8:40 a.m.	**Engineering Microgels for Localized Immune Tolerance of Cell-Replacement Therapy Grafts** Ed Phelps, PhD
8:40 a.m. - 9:00 a.m.	**Establishing an Immune-Suppressive Microenvironment for Enhanced Beta-Cell Transplant Success** Francis Lynn, PhD
9:00 a.m. - 9:20 a.m.	**Hypoimmune Pancreatic Islet Transplantation in Adult Subjects with Type 1 Diabetes** Per-Ola Carlsson, MD, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Holger Russ

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY02-1.5

Central Regulation of Hunger Signal and Body Weight Homeostasis

Room: W194 AB

Chair(s): Joel K. Elmquist, DVM, PhD

8:00 a.m. - 8:20 a.m.	**Hypothalamic Neuron Plasticity in Feeding Behavior** Deniz Atasoy, PhD
8:20 a.m. - 8:40 a.m.	**Redundancy in Hypothalamic Neuron Action on Body-Weight Regulation** Qingchun Tong, PhD
8:40 a.m. - 9:00 a.m.	**Interaction between Hypothalamic Neurons and Midbrain Circuits for Feeding and Body Weight** Gina M. Leinninger, PhD
9:00 a.m. - 9:20 a.m.	**Central Action of GIPR in Control of Feeding Behavior** Alice Adriaenssens, PhD
9:20 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Young-Bum Kim

MONDAY, JUNE 23, 2025

8:00 a.m. - 9:30 a.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY03-1.5

Muscle and Energy Expenditure—Myths, Legends, and Facts

Room: W196 BC

Chair(s): Lisa Chow, MD, MS

8:00 a.m. - 8:20 a.m.	**The Role of Lean Body Mass in Total Energy Expenditure across the Lifespan** Lara Dugas, PhD, MPH
8:20 a.m. - 8:40 a.m.	**Does Losing Muscle Always Make You Weaker? Relationship of Muscle and Function** Jose Garcia
8:40 a.m. - 9:00 a.m.	**The Effect of Weight Loss on Muscle and Energy Expenditure in the Era of Highly Effective Therapies** Bret H. Goodpaster, PhD
9:00 a.m. - 9:30 a.m.	**Question and Discussion Period**

Responsible Committee Member(s): Ellen Schur and Rebecca Haeusler

MONDAY, JUNE 23, 2025

9:45 a.m. - 11:15 a.m.

Special Lectures and Addresses

Session Number: OSAA-01

National Scientific & Health Care Achievement Awards Presentation and Outstanding Scientific Achievement Award Lecture

Room: W375 B-E

9:45 a.m. - 10:30 a.m.	**An Unexpected Journey into Brown Fat Research for Metabolic Health** Shingo Kajimura, PhD
10:30 a.m. - 11:15 a.m.	**Global Diabetes—Rapidly Changing Landscape and a Rising Tide of Opportunities** K M Venkat Narayan, MD, MBA, MSc, FRCPI

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-IG01-1

Discussion on Behavioral Medicine and Physiology—ABC's of AI to Support Health Behaviors and Mental Health in Diabetes Care

Room: W185 A-D

Chair(s): Jaclynn M. Hawkins, MSW, PhD

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**Clinical Implementation of AI in Behavioral and Mental Health Interventions for Diabetes—State of the Science** Samantha Kleinberg, PhD
11:50 a.m. - 12:05 p.m.	**Developing Chatbots for Diabetes Behavioral and Mental Health Interventions** Eric Junhan Kim
12:05 p.m. - 12:20 p.m.	**What Is the Vision for AI in the Future of Behavioral and Mental Health Interventions in Diabetes?** Peter Jacobs, PhD
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-IG04-1

Discussion on Nutritional Science and Metabolism—Climate Change, Nutrition, and Diabetes

Room: W183 BC

Chair(s): Zhenqi Liu, MD

11:30 a.m. - 11:40 a.m.	**Introduction**
11:40 a.m. - 12:00 p.m.	**Climate Change and Nutrition** Khristopher M. Nicholas, PhD
12:00 p.m. - 12:20 p.m.	**Climate Change and Diabetes** Simin Liu, PhD
12:20 p.m. - 12:30 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG05-1

Discussion on Pregnancy and Reproductive Health—Early Postpartum GDM Screening

Room: W187 A-C

Chair(s): Cassandra E. Henderson, MD, MSc

11:30 a.m. - 11:35 a.m.	**Introduction**
11:35 a.m. - 11:50 a.m.	**Early Postpartum GDM Screening—PRO** Erika Werner, MD, MS
11:50 a.m. - 12:05 p.m.	**Early Postpartum GDM Screening—CON** Lynn Yee, MD, MPH
12:05 p.m. - 12:10 p.m.	**Rebuttal—Early Postpartum GDM Screening—PRO** Erika Werner, MD, MS
12:10 p.m. - 12:15 p.m.	**Rebuttal—Early Postpartum GDM Screening—CON** Lynn Yee, MD, MPH
12:15 p.m. - 12:30 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG06-1

Discussion on Clinical Centers and Programs—Strengthening the Diabetes Workforce through Training and Certification Opportunities

Room: W184 A-D

Chair(s): Nuzhat Chalisa, MD

11:30 a.m. - 11:45 a.m.	**Strengthening the Diabetes Workforce through Training and Certification Opportunities** Jay Shubrook, DO
11:45 a.m. - 12:00 p.m.	**Strengthening the Diabetes Workforce through Training and Certification Opportunities** Osagie Ebekozien, MD, MPH
12:00 p.m. - 12:15 p.m.	**Strengthening the Diabetes Workforce through Training and Certification Opportunities** Nay Linn Aung, MD, D-ACD, BC-ADM
12:15 p.m. - 12:30 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster11

Solutions in Health Care Delivery

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Sean E. DeLacey, MD

11:30 a.m. - 11:40 a.m.	**1069-P Use of Diabetes Management Devices among Medicare FFS Beneficiaries with Type 1 Diabetes, 2017–2023** Presenting Author: Sarah Pincus, MS Health Policy
11:40 a.m. - 11:50 a.m.	**1070-P Validation Study of a Web-Based Periprocedural Diabetes Management Algorithm (DIAPI) in an Endoscopy Unit** Presenting Author: Lillian R. Chen, MD
11:50 a.m. - 12:00 p.m.	**1071-P Quality Improvement Hub Increases Continuous Glucose Monitoring Prescriptions for Adults with Type 2 Diabetes in Rural Appalachia** Presenting Author: Elizabeth A. Beverly, PhD
12:00 p.m. - 12:10 p.m.	**1072-P Expanding Technology-Enabled, Nurse-Delivered Chronic Disease Care (EXTEND)—A Randomized Trial** Presenting Author: Matthew J. Crowley, MD, MHS

Responsible Committee Member(s): Amisha Wallia

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster12

Diabetes in Children—Unraveling the Complexities of Type 1 and Type 2 Diabetes

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): Cari Berget, MPH, RN, CDCES

11:30 a.m. - 11:40 a.m.	**1181-P Six-Month Outcomes of Vertical Sleeve Gastrectomy (VSG) vs. Advanced Medical Therapy (AMT) in Youth-Onset Type 2 Diabetes (YO-T2D)** Presenting Author: Kristen J. Nadeau, MD, MS
11:40 a.m. - 11:50 a.m.	**1182-P Cognitive Function in Adolescents with Type 2 Diabetes—Distinguishing Diabetes vs. Obesity** Presenting Author: Amy S. Shah, MD, MS
11:50 a.m. - 12:00 p.m.	**1183-P Neighborhood Level Deprivation Is a Key Predictor of Glycemic Outcomes in Youth-Onset Type 2 Diabetes** Presenting Author: Megan Yuasa, MD
12:00 p.m. - 12:10 p.m.	**1184-P Substance Use in Young Adults with Type 1 Diabetes (T1D) in a Pediatric Clinic** Presenting Author: Lauren A. Waterman, MD
12:10 p.m. - 12:20 p.m.	**1185-P Determining Accuracy of Continuous Glucose Monitoring in Pediatric Patients in the Inpatient Setting** Presenting Author: Eleanor Allen, MD
12:20 p.m. - 12:30 p.m.	**1186-P A Short-Term Low Carbohydrate Diet Improves Glycemia in Adolescents and Young Adults with Type 1 Diabetes—Results from a Randomized Crossover Study** Presenting Author: Laura M. Nally, MD

Responsible Committee Member(s): Eda Cengiz

MONDAY, JUNE 23, 2025

11:30 a.m. - 12:30 p.m.

Professional Development

Theme Area: Professional Development

Session Number: PD-03-1

Professional Development 3

Room: W183 A

11:30 a.m. - 12:30 p.m.	**Professional Development 3**

MONDAY, JUNE 23, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster13

Emerging Technologies to Access Glycemia Across the Spectrum of Diabetes

Room: Exhibit Hall (Hall F2) ePoster Theater A

Moderator(s): Roy W. Beck, MD, PhD

12:30 p.m. - 12:40 p.m.	**A Randomized Multicenter Trial of Hybrid Closed-Loop Insulin Therapy with Control-IQ Technology in Type 1 Diabetes in Pregnancy** Presenting Author: Lois E. Donovan, MD, FRCPC
12:40 p.m. - 12:50 p.m.	**Implementing rtCGM in Early Postoperative Intensive Care of Liver Transplant Recipients Treated with Insulin Comprehensively Improves Glycemic Control** Presenting Author: Barbora Hagerf (Voglová), MD, PhD
12:50 p.m. - 1:00 p.m.	**Evaluating Population-Based Strategies for Glycemic Control in a Large Health System—A Case-Control Study** Presenting Author: Taynara Formagini, PhD, MSc
1:00 p.m. - 1:10 p.m.	**ONBOARD—A Randomized Controlled Trial Comparing CGM Alone or CGM plus Behavioral Support for Adults with T1D** Presenting Author: Molly L. Tanenbaum, PhD
1:10 p.m. - 1:20 p.m.	**Implementing Remote Patient Monitoring for Type 2 Diabetes Mellitus Management** Presenting Author: Tiffany X. Lu, DO
1:20 p.m. - 1:30 p.m.	**Inpatient Use of Dexcom Continuous Glucose Monitoring—Insights from the Dexcom Hospital Registry** Presenting Author: Fran Howell, MBA, DNP, FNP-BC, CDCES

Responsible Committee Member(s): Mark Atkinson

MONDAY, JUNE 23, 2025

12:30 p.m. - 1:30 p.m.

ePoster Theater

Theme Area: Clinical Diabetes/Therapeutics

Session Number: ePoster14

Learning across Diabetes

Room: Exhibit Hall (Hall F2) ePoster Theater B

Moderator(s): David A. Baidal, MD

12:30 p.m. - 12:40 p.m.	**724-P High One-Hour Post-load Plasma Glucose Is an Intermediate Condition between NGR and IGR** Presenting Author: Arvid Sandforth, .
12:40 p.m. - 12:50 p.m.	**725-P Minimal Weight Loss to Achieve Diabetes Prevention after a Six-Month Intervention in the Korean Diabetes Prevention Study** Presenting Author: Jeong-Taek Woo, MD
12:50 p.m. - 1:00 p.m.	**726-P Two-Year Follow-up of AVT001 Dendritic Cell Therapy for Type 1 Diabetes—Continued Off-Therapy Functional Effects and Characterization of Responders** Presenting Author: Jason L. Gaglia, MD, MMSc
1:00 p.m. - 1:10 p.m.	**727-P A Phase 3 Evaluation of CAMP-Biased GLP-1 Analog Ecnoglutide vs. Dulaglutide in Adults with Type 2 Diabetes** Presenting Author: Susan Xu, MD, PhD
1:10 p.m. - 1:20 p.m.	**834-P A Meta-analysis of Novel Glucose-Lowering Therapies in Kidney Transplant Recipients with Diabetes** Presenting Author: Talita Trevisan, .
1:20 p.m. - 1:30 p.m.	**835-P Assessing the Adverse Drug Reactions for TZIELD (Teplizumab) in Type 1 DM Patients—A Pharmacovigilance Study** Presenting Author: Arunima Sharma, MBBS

Responsible Committee Member(s): Rajesh Garg, Leigh Perreault

MONDAY, JUNE 23, 2025

12:30 p.m. - 1:30 p.m.

General Poster Session

Session Number: GSP-03

Monday General Poster Session

Room: Poster Hall (Hall F1)

12:30 p.m. - 1:30 p.m. **374-P MiR-1181 Ameliorates Renal Fibrosis by Alleviating High Glucose-Induced Oxidative Stress In Vitro**
Presenting Author: Lihua Zhang, PhD

12:30 p.m. - 1:30 p.m. **375-P DYRK1A Regulates Kidney Fibrosis Induced by TGF-β by Modulating Phospho-SMAD3 Levels**
Presenting Author: Gwonsoo Jung, Doctor's Degree

12:30 p.m. - 1:30 p.m. **376-P The Relationship of Mitochondrial DNA Copy Number with Cardiovascular and Microvascular Complications in Patients with Type 2 Diabetes—A Field Substudy**
Presenting Author: Abubakar Siddiq Mangani, MSc

12:30 p.m. - 1:30 p.m. **377-P Diabetes Reduces Endothelial Glycocalyx via Matrix Remodeling**
Presenting Author: Abigail E. Reed, BS

12:30 p.m. - 1:30 p.m. **378-P Enhanced Renal Protective Effects of Tirzepatide in T2D People**
Presenting Author: Shizuka Kaneko, MD, PhD

12:30 p.m. - 1:30 p.m. **379-P Imeglimin May Improve Inflammation and Fibrosis in Diabetic Kidney Disease**
Presenting Author: Yoshimi Muta, MD, PhD

12:30 p.m. - 1:30 p.m. **380-P Dual Roles of Renal Tubular Mitochondrial AKT1 in Improving Whole Body Glucose Metabolism and Protecting Against Diabetic Nephropathy**
Presenting Author: Esam Salem, PhD

12:30 p.m. - 1:30 p.m. **381-P Identification and Functional Analysis of ZFP36, the Hub Ferroptosis-Related Factor in Diabetic Kidney Disease**
Presenting Author: Anni Li, Master's Degree

12:30 p.m. - 1:30 p.m. **382-P Metallothionein-1/2 Alleviates Inflammation-Driven Progression of Diabetic Kidney**
Presenting Author: Ju Hyeon Hwang, BS

12:30 p.m. - 1:30 p.m. **383-P WTAP-Induced M6A Methylation of ATOH8 Promotes Cell Proliferation and Fibrosis in Diabetic Nephropathy**
Presenting Author: Suyu Wang, Professional Doctorate

12:30 p.m. - 1:30 p.m. **384-P The Role of ROCK Isoform in the Impairment of Tubular Fatty Acid Metabolism**
Presenting Author: Satoru Nagao, MD

12:30 p.m. - 1:30 p.m. **385-P Association between Triglyceride, Glucose, Body Mass Index, and Kidney Impairment in Type 2 Diabetes Mellitus**
Presenting Author: Sarthak Bhatt, MBBS

12:30 p.m. - 1:30 p.m. **386-P Pyruvate Kinase M2 (PKM2) Activation in Podocytes Prevents Diabetes-Induced Changes in Glomerular Cell Subset Differentiation**
Presenting Author: Jialin Fu, MD, PhD

12:30 p.m. - 1:30 p.m. **387-P A High-Fat Diet during Pregnancy and Lactation Alters Renal Glut2 Gene Expression in Male Offspring in Mice**
Presenting Author: Michael Kruse, MD

12:30 p.m. - 1:30 p.m. **388-P Keap1-Nrf2 Modulation and SLC7A11 Restoration—Bardoxolone Methyl as a Ferroptosis Inhibitor in Renal Tubular Epithelial Cells**
Presenting Author: Gwanpyo Koh, MD, PhD

12:30 p.m. - 1:30 p.m. **389-P The Ketone Body β-hydroxybutyrate Mitigates Diabetic Kidney Disease through Metabolic Reprogramming**
Presenting Author: Saroj Chakraborty, PhD

12:30 p.m. - 1:30 p.m. **390-P NCOA4-FTH1 Axis Regulates Iron Homeostasis and Ferroptosis in Diabetic Kidney Disease**
Presenting Author: Xin Chen, Doctorate

12:30 p.m. - 1:30 p.m. **391-P Suppression of Glucokinase Mitigated Renal Injury Induced by ABCC8 Mutation**
Presenting Author: Hong Lian, MD

12:30 p.m. - 1:30 p.m. **392-P Metabotypes to Define Cardiorenal Risk in People with Type 1 Diabetes**
Presenting Author: Lynn Ang, MD

12:30 p.m. - 1:30 p.m. **393-P Epigenome-Wide Association Applied in Early Prediction of Kidney Disease in Diabetes (DKD)—A Pilot Study**
Presenting Author: Adrian H. Heald, DM

12:30 p.m. - 1:30 p.m. **394-P Severe Insulin-Deficient Diabetes in Chile—A Contributor to Diabetic Kidney Disease Risk?**
Presenting Author: Sofiya Gancheva, MD, PhD

12:30 p.m. - 1:30 p.m. **395-P Dynamically Predicting Renal Failure after Development of Diabetes for Millions across Biobanks**
Presenting Author: Jin Zhou, PhD

12:30 p.m. - 1:30 p.m. **396-P Association between Body Roundness Index and Chronic Kidney Disease Risk in Diabetic Patients—Insights from NHANES 1999–2018**
Presenting Author: Sijia Fei, PhD

12:30 p.m. - 1:30 p.m. **397-P Association of Visit-to-Visit Variability of Metabolic Indicators with the Progress of Proteinuria in Chinese Patients with Type 2 Diabetes Mellitus**
Presenting Author: Yuhang Ma, PhD

12:30 p.m. - 1:30 p.m. **398-P Renal Intraparenchymal Fat Is Linked to Renal Function Decline in People with Diabetes**
Presenting Author: Filippo C. Michelotti, PhD

12:30 p.m. - 1:30 p.m. **399-P Towards a Digital Twin Model for Predicting Renal Function Decline in Type 2 Diabetes Using Longitudinal Electronic Health Records**
Presenting Author: Hongyu Chen, Msc

12:30 p.m. - 1:30 p.m.	**400-P A Novel Genetic Risk Score Can Identify People at Risk of Diabetes Complications** Presenting Author: Aleena Ali, MBBS (Hons), FRACP
12:30 p.m. - 1:30 p.m.	**401-P The Diagnostic Efficacy of Optical Coherence Tomography Angiographyin Detecting Diabetic Kidney Disease** Presenting Author: Lin Zhang, Doctor
12:30 p.m. - 1:30 p.m.	**402-P Relationship between Average Glucose and HbA1c across GFR Stages** Presenting Author: Mengyao Tang, MD, MPH
12:30 p.m. - 1:30 p.m.	**403-P Evaluating the Effect of Finerenone on Renal Markers in Patients with Diabetic Nephropathy (Stage 1–3) Receiving Angiotensin Receptor Blockers and SGLT2i Therapy** Presenting Author: Vishal Gupta, MD, MRCP (UK)
12:30 p.m. - 1:30 p.m.	**404-P Long-Term HbA1c Variability and Risk of Hospitalization and Mortality in End-Stage Kidney Disease Patients Undergoing Dialysis** Presenting Author: Priscilla H. Kim, MD, MS
12:30 p.m. - 1:30 p.m.	**405-P Weight-Adjusted Insulin Dose Is Positively Associated with Estimated GFR (eGFR) in Type 1 Diabetes** Presenting Author: Mitra Mosslemi, MSc
12:30 p.m. - 1:30 p.m.	**406-P The Risk Factor Changes for Diabetic Kidney in T2DM during 13-Year Period in Beijing Community** Presenting Author: Xue Lian Zhang, Doctor's Degree
12:30 p.m. - 1:30 p.m.	**407-P Higher Serum Adiponectin Levels Predict Poorer Outcomes in Patients Undergoing Hemodialysis** Presenting Author: Tomoaki Morioka, MD, PhD
12:30 p.m. - 1:30 p.m.	**408-P Assessing Individual Estimated GFR Trajectory on GLP-1RA Use for Kidney Protection** Presenting Author: Koji Kashima, MD, PhD
12:30 p.m. - 1:30 p.m.	**409-P The Prevalence and Factors Associated with CKD Remission in Patients with Type 2 Diabetes Mellitus** Presenting Author: Tao-Chun Lee, MD, PhD
12:30 p.m. - 1:30 p.m.	**410-P Development and Validation of a Risk Score for Predicting the Initiation of Dialysis in People with and without Diabetes Mellitus** Presenting Author: Taeko Osawa, Doctor
12:30 p.m. - 1:30 p.m.	**411-P Renal Arteriolar Hyalinosis Predicts Progressive Renal Functional Decline in Persons with Type 2 Diabetes Showing Macroalbuminuria prior to Impaired Glomerular Filtration** Presenting Author: Tatsumi Moriya, MD, PhD
12:30 p.m. - 1:30 p.m.	**412-P Nutritional Risk as a Predictor of Hypoglycemia in People with Type 2 Diabetes Undergoing Hemodialysis** Presenting Author: Akinori Hayashi, MD, PhD
12:30 p.m. - 1:30 p.m.	**413-P MASLD in Adults with Type 1 Diabetes Mellitus—Association with Hyperglycemia**

Presenting Author: William Sivitz, MD

12:30 p.m. - 1:30 p.m. **414-P The Efficacy and Safety of Dapaglifrozin in Type 1 Diabetic Patients with Diabetic Kidney Disease in Zhongshan, China**
Presenting Author: Liling Qiu, MD

12:30 p.m. - 1:30 p.m. **415-P Proteinuria and Progression of Kidney Disease in Patients with T2D Treated with SGLT2i and GLP-1RA—A Target Trial Emulation**
Presenting Author: Alexander Turchin, MD, MS

12:30 p.m. - 1:30 p.m. **416-P Relationship of Free Light Chains and Polymorphisms of the Endocannabinoid Receptor CNR1 and Fatty Acid Amide Hydrolase to Chronic Kidney Disease**
Presenting Author: Tina K. Thethi, MD, MPH

12:30 p.m. - 1:30 p.m. **417-P Increasing Pyruvate Flux to Attenuate UUO-Induced Kidney Fibrosis and Improve Mitochondrial Dysfunction**
Presenting Author: Min-Ji Kim, MD, PhD

12:30 p.m. - 1:30 p.m. **418-P Impact of Intensive Lifestyle Intervention on Kidney Disease Progression in People with Type 2 Diabetes—The Look AHEAD Study**
Presenting Author: Nityasree Srialluri, MD, MS, MHS

12:30 p.m. - 1:30 p.m. **419-P AI-Based Noninvasive Retinal Imaging for CKD Risk Prediction in DM Patients without Established CKD**
Presenting Author: Sahil Thakur, MBBS, MS, PhD

12:30 p.m. - 1:30 p.m. **420-P Baseline Risk and Longitudinal Changes in KidneyIntelX Scores and Their Association with Kidney Outcomes in the CANVAS and CREDENCE Trials**
Presenting Author: Hiddo L. Heerspink, PhD

12:30 p.m. - 1:30 p.m. **421-P Development and Validation of a Risk Prediction Model for Diabetic Kidney Disease in Overweight/Obese Patients with Type 2 Diabetes Mellitus**
Presenting Author: Yao Zhang, MD

12:30 p.m. - 1:30 p.m. **422-P Type 2 Diabetes and the Individual Perception of Risk for Cardiovascular Death in Coronary Artery Disease Patients**
Presenting Author: Magdalena Neyer, Mag.

12:30 p.m. - 1:30 p.m. **423-P Three Decades of Glucose-Lowering Therapy in Patients with Established Coronary Artery Disease—A Real-World Analysis**
Presenting Author: Magdalena Neyer, Mag.

12:30 p.m. - 1:30 p.m. **424-P The Relationship between Hepatic Steatosis and Bone Mineral Density across Glycemic States**
Presenting Author: Sanjay K. Singla, MBBS, MD

12:30 p.m. - 1:30 p.m. **425-P Machine Learning Identifies Glypican 4 as Key Predictor of Five-Year Mortality in Heart Failure Patients with Prediabetes or Diabetes**
Presenting Author: Andreas Leiherer, Doz. Dr.

12:30 p.m. - 1:30 p.m. **426-P Predicting Coronary Stenoses Using Machine Learning to Reduce Unnecessary Angiographies**
Presenting Author: Andreas Leiherer, Doz. Dr.

12:30 p.m. - 1:30 p.m. **427-P Elevated Body Mass Index at Type 2 Diabetes Diagnosis Is Associated with Increased Risk of Cardiovascular Disease and Kidney Outcomes**
Presenting Author: Akshay B. Jain, MD, FRCPC, FACE, CCD, ECNU, DABOM

12:30 p.m. - 1:30 p.m. **428-P Association between the Use of Alpha-lipoic Acid and Macrovascular Complications in Patients with Diabetic Neuropathy**
Presenting Author: So Hun Kim, MD, PhD

12:30 p.m. - 1:30 p.m. **429-P The Difference between Cystatin C- and Creatinine-Based Estimated Glomerular Filtration Rate in Relation to Carotid Plaque Score in Patients with Type 2 Diabetes**
Presenting Author: Jang Yel Shin, MD, PhD

12:30 p.m. - 1:30 p.m. **430-P Sleep Disorders and Cardiometabolic Markers in Type 1 Diabetes**
Presenting Author: Julio A. Leey, MD

12:30 p.m. - 1:30 p.m. **431-P Gut and Oral Microbiome Characteristics Associated with Chronic Complications in Type 1 Diabetes**
Presenting Author: Xia Li, MD

12:30 p.m. - 1:30 p.m. **432-P Association between Neck-to-Limb Length and Neck-to-Height Ratios and Cardiovascular Events in a Chinese Population**
Presenting Author: Xiaoya Li, Doctor

12:30 p.m. - 1:30 p.m. **433-P Comparative Evaluation of Current Therapeutic Agents for Heart Failure with Preserved Ejection Fraction (HFPEF)—A Systematic Review and Network Meta-analysis**
Presenting Author: Zonglin Li, MD

12:30 p.m. - 1:30 p.m. **434-P Coronary Artery Calcification Incidence in Individuals with Diabetes and BMI <30 kg/m^2**
Presenting Author: Thiago B. Mendes, MD

12:30 p.m. - 1:30 p.m. **435-P Endothelial Dysfunction in T1D—A Spotlight for Obesity**
Presenting Author: Rocco Amendolara, PhD, MSc

12:30 p.m. - 1:30 p.m. **436-P The Association between Glycemic Control, Normal Weight, and Long-Term Macrovascular Outcomes in People with T2D in China**
Presenting Author: Qi Pan, Professor

12:30 p.m. - 1:30 p.m. **437-P Coronary Calcium Score and Cardiovascular Events in Ketosis-Prone Diabetes Compared with T2DM**
Presenting Author: Jean Louis Nguewa, MS, MD

12:30 p.m. - 1:30 p.m. **438-P Adipose-Tissue Insulin Resistance Predicts Mortality in Persons at Risk for Cardiac Diseases**
Presenting Author: Kálmán Bódis, Doctor's Degree

12:30 p.m. - 1:30 p.m. **439-P Investigation of Wall Shear Stress (WSS) in Patients with Type 2 Diabetes Mellitus**
Presenting Author: Yoko O. Ohata, MD

12:30 p.m. - 1:30 p.m. **440-P Associated Factors with Cardiovascular Disease in Patients with Type 2 Diabetes Mellitus in iCaReMe China Registry**
Presenting Author: Xiaoling Cai, MD, PhD

12:30 p.m. - 1:30 p.m. **441-P Different Diagnostic Categories and Prediction of Complications in Chinese Hospitalized Diabetic Patients Based on Artificial Intelligence**
Presenting Author: Jia Zhang, PhD

12:30 p.m. - 1:30 p.m. **442-P Statin Therapy in Type 1 Diabetes—Adherence to NICE Guidelines for Primary Prevention of Cardiovascular Disease**
Presenting Author: Muhammad Haroon Riasat, MBBS

12:30 p.m. - 1:30 p.m. **443-P The LDL-C/Apo B Ratio Predicts Mortality in Heart Failure Patients both with and without Type 2 Diabetes**
Presenting Author: Barbara Larcher, Doctor's Degree

12:30 p.m. - 1:30 p.m. **444-P Protein and mRNA Comparison in Complications of Type 2 Diabetes—Integrating Proteomics with Transcriptomics**
Presenting Author: Habib Francis, PhD

12:30 p.m. - 1:30 p.m. **445-P Heterogeneous Treatment Effects of Intensive Blood Pressure Control (IBP) on Major Adverse Cardiovascular Events (MACE) and Cardiovascular-Kidney-Metabolic (CKM) Syndrome in People with Hypertension**
Presenting Author: Jieun Lee, PhD

12:30 p.m. - 1:30 p.m. **446-P Associations between Insulin Secretory Function and Atherosclerotic Cardiovascular Disease Risk**
Presenting Author: Ayodipupo S. Oguntade, DPhil

12:30 p.m. - 1:30 p.m. **447-P Twenty-Five Years Longitudinal Real-World Analysis of Statin Therapy Outcomes in People with Diabetes on Telemedicine Follow-up and Predictors of Cardiovascular Events**
Presenting Author: Arun Shankar, MBBS, CCEBDM PHFI

12:30 p.m. - 1:30 p.m. **448-P Dynamic Shifts in Metabolic Pathways Linked to Hyperglycemia under Surgical Stress**
Presenting Author: Jenna Feeley, BS

12:30 p.m. - 1:30 p.m. **449-P Glycation of the Lipoprotein ApoA-I Is a Novel Biomarker for Early Predicting of Diabetic Cardiovascular Risk**
Presenting Author: Takhar Kasumov, PhD

12:30 p.m. - 1:30 p.m. **450-P Serum Osteopontin Is Independently Associated with Cardiovascular Outcomes in Renoprotected, Long-Duration Type 1 Diabetes**
Presenting Author: Marc Gregory Yu, MD

12:30 p.m. - 1:30 p.m. **451-P Association of the Genetic Variant Rs10911021 with Coronary Artery Calcium Score Is Mediated by Alterations of Glutamic Acid Metabolism in Individuals with Type 2 Diabetes**
Presenting Author: Fernando M. Giuffrida, MD, PhD

12:30 p.m. - 1:30 p.m. **452-P Metabolome-Wide Association Study Links an Immunoinflammatory Response with Metabolic Stress after Coronary Artery Bypass Graft Surgery (CABG)**
Presenting Author: Jenna Feeley, BS

12:30 p.m. - 1:30 p.m. **453-P Association between Triglyceride, Glucose, and Body Mass Index and Long-Term Adverse Outcomes in Heart Failure Patients with Coronary Heart Disease**
Presenting Author: Farheen N. Shaikh, MBBS

12:30 p.m. - 1:30 p.m. **454-P Impact of Exercise Training on Cardiac Function in Individuals with Obesity with and without Type 2 Diabetes Using Cardiac and 4D Flow MRI**
Presenting Author: Sungho Park, PhD

12:30 p.m. - 1:30 p.m. **455-P Role of 3-Hydroxyisobutyrate in Cardiometabolic Disease**

Presenting Author: Rossella Menghini, PhD

12:30 p.m. - 1:30 p.m. **456-P Effects of Hyperinsulinemia on Fibrinolysis in Insulin Resistant States**

Presenting Author: Marissa Lightbourne, MD MPH

12:30 p.m. - 1:30 p.m. **457-P Overexpression of SOD2 and P53 Gene Silencing in BM-MSCs–Rescued Hyperglycemic Endothelial Cells**

Presenting Author: Seshagiri Rao Nandula, PhD

12:30 p.m. - 1:30 p.m. **482-P Eicosapentaenoic Acid (EPA) Alleviates LPS-Induced Oxidative Stress via the PPARα-NF-κB Axis**

Presenting Author: Fatema Alrashed, Phd, MRes, Bsc

12:30 p.m. - 1:30 p.m. **483-P Prevalence and Associated Factors of High Lipoprotein(a) Level in Patients with Type 2 Diabetes Mellitus**

Presenting Author: Pichapa Manomongkolkul, MD

12:30 p.m. - 1:30 p.m. **484-P Altered Pro- and Anti-inflammatory Lipid Mediator Response to Mixed Meal in Post-bariatric Hypoglycemia**

Presenting Author: Mary-Elizabeth Patti, MD

12:30 p.m. - 1:30 p.m. **485-P Cholesterol Efflux Capacity of HDL Is Impaired in Metabolic Dysfunction–Associated Steatotic Liver Disease.**

Presenting Author: Kathryn C. B. Tan, MD

12:30 p.m. - 1:30 p.m. **486-P Haptoglobin Phenotype and HDL Function in Adults with Type 1 Diabetes (Prospective InlipoDiab1 Study)**

Presenting Author: Aleksandra Uruska, MD, PhD

12:30 p.m. - 1:30 p.m. **487-P Lipocalin-2 Regulates the Function of Phosphatidic Acid in Senescence and mTOR Signaling in Adipose Stromal-Vascular Cells**

Presenting Author: Xuenan Jin, BS

12:30 p.m. - 1:30 p.m. **488-P Correlation of HbA1c Levels with Lipid Profile in Type 2 Diabetes Mellitus Patients—A Retrospective Cross-Sectional Study**

Presenting Author: Praveena Thammireddy, MBBS

12:30 p.m. - 1:30 p.m. **489-P Familial Hypercholesterolemia Is Not Associated with Type 2 Diabetes Presence in Patients Undergoing a Genetic Cascade Screening Program**

Presenting Author: Flávia C. P. Maia, MD, MSc

12:30 p.m. - 1:30 p.m. **490-P Well-Formulated Ketogenic Diet (WFKD) Reduces Hypertriglyceridemia**

Presenting Author: Caroline G. P. Roberts, MD

12:30 p.m. - 1:30 p.m. **511-P Red Light Green Light 1-2-3—Creating a Novel Health Education Tool for Reaching Diabetic Foot Ulceration in Afro-caribbean Communities**

Presenting Author: Laura Lovell, MBBS MSc

12:30 p.m. - 1:30 p.m. **512-P A Medical Student–Run Initiative to Improve Glycemic Control in Prediabetic and Type 2 Diabetic Patients at Free Clinics in South Carolina**

Presenting Author: Caroline A. Hensing, BS, BA

12:30 p.m. - 1:30 p.m. **513-P Comparative Analysis of Health Care Utilization between Diabetes Self-Management Education and Support (DSMES) Program Participants and a Matched Comparison Group**

Presenting Author: Lorin Boyce, MA

12:30 p.m. - 1:30 p.m. **514-P The Role of Peer Support in Diabetes Self-Management Education and Support (DSMES) Services**
Presenting Author: Laura A. Young, MD, PhD

12:30 p.m. - 1:30 p.m. **515-P T1D Index with Subnational Modelling**
Presenting Author: Fei Wang, PhD

12:30 p.m. - 1:30 p.m. **516-P Health Literacy in Younger and in Older Patients with Type 2 Diabetes Undergoing Coronary Angiography**
Presenting Author: Magdalena Neyer, Mag.

12:30 p.m. - 1:30 p.m. **517-P Satisfaction with Information Regarding Pharmaceutic Therapy in Younger and Older Patients with Type 2 Diabetes Undergoing Coronary Angiography**
Presenting Author: Magdalena Neyer, Mag.

12:30 p.m. - 1:30 p.m. **518-P Enhancing CGM Utilization in Primary Care—Outcomes of a Comprehensive Education and Training Program in an Academic Institution**
Presenting Author: Ina C. Flores Shih, RD, CDCES, MS

12:30 p.m. - 1:30 p.m. **519-P Impact of Dose Adjustment for Normal Eating Courses on Glycemic Control, Severe Hypoglycemia, and Diabetic Ketoacidosis in People with Type 1 Diabetes**
Presenting Author: Mohammad Irshad, PhD

12:30 p.m. - 1:30 p.m. **520-P School Day Disruptions in Type 1 Diabetes (T1D) Management—Early Experiences from the School-Partnered Collaborative Care (SPACE) Study Highlight an Unmet T1D Education Need**
Presenting Author: Christine March, MD, MS

12:30 p.m. - 1:30 p.m. **521-P Greater Participation in Diabetes Management Coaching Program Improves Glycemic Control and Diabetes Distress**
Presenting Author: Andrea D. Coviello, MD

12:30 p.m. - 1:30 p.m. **522-P Utilization of Personal Continuous Glucose Monitoring (CGM) Systems in the Inpatient Setting**
Presenting Author: Rebecca Longo, DNP, ACNP-BC, CDCES

12:30 p.m. - 1:30 p.m. **523-P Seeking Methods to Engage Emerging Adults (EAs) with Type 1 Diabetes (T1D) in Diabetes Self-Management Education and Support (DSMES)—A Human-Centered Design Approach**
Presenting Author: Jodi S. Krall, PhD

12:30 p.m. - 1:30 p.m. **524-P Culturally Competent Diabetes Management—Addressing Access for Limited English Proficient Patients**
Presenting Author: Anna Simos, MS, MPH, CDCES

12:30 p.m. - 1:30 p.m. **525-P Effectiveness of a T1D Patient and Health Professional Codesigned Diabetic Ketoacidosis (DKA) Prevention Infographic**
Presenting Author: Wajeeha Cheema, Honours Life Sciences

12:30 p.m. - 1:30 p.m. **526-P A Patient and Health Care Professional Codesigned Diabetic Ketoacidosis Educational Infographic for Type 1 Diabetes**
Presenting Author: Wajeeha Cheema, Honours Life Sciences

12:30 p.m. - 1:30 p.m. **527-P Mapping the Educational Infrastructure Required for Successful Remote CGM Implementation in Older Adults**
Presenting Author: Atif Adam, PhD, MD, MPH

12:30 p.m. - 1:30 p.m. **528-P Awareness of MASLD among People with Diabetes in Four Major U.S. Cities**
Presenting Author: Melina I. Manolas, MD, MPH

12:30 p.m. - 1:30 p.m. **529-P Structured Treatment and Education Program (STEP) in Improving Metabolic Control and Psychological Outcomes—Research of Type 2 Diabetes (T2DM) Patients in Yunnan Rural Community**
Presenting Author: Lihua Zhang, PhD

12:30 p.m. - 1:30 p.m. **530-P Evaluating the Role of a Digital Health Platform in Supporting GLP-1 Adherence and Sustained Outcomes Post-discontinuation**
Presenting Author: Yifat Fundoiano-Hershcovitz, PhD

12:30 p.m. - 1:30 p.m. **531-P Interactive, Online, Case-Based Education Effective at Improving Clinical Competence Related to Screening and Diagnosing Hypercortisolism in People with Difficult-to-Control T2D**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **532-P Assessment of Impact of Online CE Activity within a Curriculum at Improving Primary Care Provider Knowledge, Competence, and Confidence regarding T2D Treatment Intensification**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **533-P Impact of Online CME on Clinical Knowledge of Emerging Strategies for Continuous Ketone Monitoring**
Presenting Author: Amy Larkin, PharmD

12:30 p.m. - 1:30 p.m. **535-P Objectively and Subjectively Measured Physical Activity in Chinese Immigrants with Type 2 Diabetes in New York City**
Presenting Author: Ximin Yang, MPH

12:30 p.m. - 1:30 p.m. **536-P Food Insecurity, Body Weight, and Healthy Eating among Overweight Chinese Americans at High Risk for Diabetes**
Presenting Author: Ximin Yang, MPH

12:30 p.m. - 1:30 p.m. **537-P Pilot Randomized Controlled Trial Outcomes from Examining What Can I Eat? Diabetes Nutrition Education and a Food Security Resource for American Indians with Type 2 Diabetes**
Presenting Author: Sarah A. Stotz, PhD, MS, RDN, CDCES

12:30 p.m. - 1:30 p.m. **538-P Leadership and Change Management in Diabetes Education—Addressing Health Literacy and Health Disparities in the Diabetes Belt**
Presenting Author: Mariam Campos-Marquetti, PhD, MPH, MS

12:30 p.m. - 1:30 p.m. **539-P Do Distance-Learning National Diabetes Prevention Program Participants Have Similar Biometric Outcomes Compared with In-Person Participants?**
Presenting Author: William Gardner, MPH

12:30 p.m. - 1:30 p.m. **540-P Baseline Findings from an Adapted DSMES for Filipinos with Type 2 Diabetes**
Presenting Author: Emily Rose N. San Diego, PhD

12:30 p.m. - 1:30 p.m. **541-P Intensive Diabetes Self-Management Education and Support for the Underserved Population in Galveston, Texas—A Community Experience**
Presenting Author: Joy Li, BS

12:30 p.m. - 1:30 p.m. **542-P Development and Baseline Characteristics of a Novel Community-Based Nutrition-Lifestyle Therapy for Pregnant Women with Diabetes**
Presenting Author: Rachyl Pines, PhD

12:30 p.m. - 1:30 p.m. **543-P From the Clinic to the Community—Exploring Hair Salons for Diabetes Risk Screening and Education among Black Women**
Presenting Author: Kelly N. B. Palmer, PhD, MHS

12:30 p.m. - 1:30 p.m. **544-P Developing a Program to Improve Type 1 Diabetes Management in Ugandan Schools**
Presenting Author: Maureen Nakitto, Dip Nursing

12:30 p.m. - 1:30 p.m. **545-P Pediatric Endocrinology Fellows' Education and Knowledge about Automated Insulin Delivery Systems (AID)**
Presenting Author: Jaisree Iyer, MD

12:30 p.m. - 1:30 p.m. **546-P Comparing Diabetes Risk Perception between Latina and White Women with T2D Risk Factors**
Presenting Author: Clarisa Medina Poeliniz, PhD, MSN

12:30 p.m. - 1:30 p.m. **547-P Harnessing Continuing Education to Identify Drivers of Obesity Medication Use among Primary Care Providers**
Presenting Author: Jennifer Frederick, PharmD

12:30 p.m. - 1:30 p.m. **548-P Evaluating the Effectiveness of a Train-the-Trainer Model—Training Researchers to Implement a Clinical Culinary Medicine Intervention for At-Risk Youth with Type 1 Diabetes**
Presenting Author: Catherine R. McManus, PhD, MS, RDN, LD

12:30 p.m. - 1:30 p.m. **549-P Visual Food Portion Guide for Diabetes Self-Management Education in Nigeria—Development and Validation**
Presenting Author: Oluwatosin Leshi, PhD

12:30 p.m. - 1:30 p.m. **550-P Interest in Lifestyle Change Programs among Reproductive-Aged Women at Risk for T2D**
Presenting Author: Sara E. Simonsen, PhD, CNM, MSPH, FACNM

12:30 p.m. - 1:30 p.m. **551-P Impact and Acceptability of a Virtual Nutrition, Exercise, and Diabetes Coaching and Education Program in Individuals Living with Diabetes Mellitus**
Presenting Author: Ben Tzeel, RD, CDCES, CSCS

12:30 p.m. - 1:30 p.m. **552-P Increasing Access to Diabetes Self-Management Support (DSMS) Programs via Electronic Health Record (EHR)–Based Clinical- (CDST) and Patient-Decision Support Tools (PDST)**
Presenting Author: Abigail Diblin, MS, CHES

12:30 p.m. - 1:30 p.m. **553-P Acceptability of a Complex Behavioral Intervention to Prevent Recurrent Diabetic Foot Ulcers among Veterans**
Presenting Author: Leah Haley, BA

12:30 p.m. - 1:30 p.m. **554-P Factors Associated with Participation in Diabetes Self-Management Education and Support in Arkansas—Analysis of Behavioral Risk Factor Surveillance System Data**

Presenting Author: Nana Adwoa D. Boateng-Antwi, MS

12:30 p.m. - 1:30 p.m. **555-P Understanding Information Needs and Digital Support Preferences for Type 2 Diabetes Management from People with Diabetes and Their Carers in Australia**
Presenting Author: Kathy Nguyen, BPharm (Hons)

12:30 p.m. - 1:30 p.m. **556-P NextGen Fellowship—Strengthening Career Pathways in Diabetes**
Presenting Author: Porter Bischoff, BS

12:30 p.m. - 1:30 p.m. **557-P Diabetes Conditional Cash Transfer (DM-CCT) Intervention to Improve Glycemic Control—A Pilot Randomized Controlled Trial**
Presenting Author: Jennifer A. Campbell, PHD, MPH

12:30 p.m. - 1:30 p.m. **558-P Development of Noninvasive Diabetes Management Method Using Glycated Albumin in Tears**
Presenting Author: Masakazu Aihara, MD, PhD

12:30 p.m. - 1:30 p.m. **559-P Use of Gamification in Diabetes Education and Its Impact on Quality of Life in Children and Adolescents with Type 1 Diabetes in Argentina**
Presenting Author: Maria L. Pomares, MD

12:30 p.m. - 1:30 p.m. **560-P Mapping Barriers and Interventions to Diabetes Self-Management in Latino Youth—A Scoping Review**
Presenting Author: Milena de Lucca, RN, PhD-c

12:30 p.m. - 1:30 p.m. **561-P A Qualitative Evaluation of Clinicians' Practices in Diagnosis and Management of Women with Gestational Diabetes (GDM) in Pune, India**
Presenting Author: Grace Maines, BS

12:30 p.m. - 1:30 p.m. **562-P Navigating Regulatory Challenges for Diabetes Devices—A Comparative Analysis of EU and U.S. Frameworks**
Presenting Author: Martina Rothenbühler, PhD

12:30 p.m. - 1:30 p.m. **564-P Improving Identification of Disease Management Concerns—Using the Diabetes Distress Scale to Guide Patient Visits and Improve Outcomes**
Presenting Author: Jeremy Beaulieu, DNP, MBA

12:30 p.m. - 1:30 p.m. **565-P From Knowledge to Practice—Evaluating Diabetes Training for U.S. Physical Therapy Residents**
Presenting Author: Kathleen Cummer, PT, DPT, PhD

12:30 p.m. - 1:30 p.m. **566-P Engagement Moderates mHealth Outcomes in Latine Adults with Type 2 Diabetes**
Presenting Author: Emily C. Soriano, PhD

12:30 p.m. - 1:30 p.m. **567-P "It made me take pause. I didn't realize that."—Use of Infographics for T2D Risk Communication following Gestational Diabetes**
Presenting Author: Jacqueline M. Kent-Marvick, BSN, RN, PhD

12:30 p.m. - 1:30 p.m. **568-P Prevention of Diabetes Distress in Adults with Type 2 Diabetes—Systematic Integration of Dialogue Tools Addressing the Psychosocial Aspects of Diabetes in Group-Based Patient Education in Community Rehabilitation Service**
Presenting Author: Mette Due-Christensen, RN, MSc, PhD

12:30 p.m. - 1:30 p.m. **1158-P Evolving Trends in GLP-1 Receptor Agonist Prescriptions for Pediatric Type 2 Diabetes—A Retrospective Analysis (2019–2024)**

Presenting Author: Noha El Yaman, MD

12:30 p.m. - 1:30 p.m. **1159-P Incidence and Remission Rates of Youth-Onset Type 2 Diabetes (Y-T2D) after Virtual Learning (VL) during the COVID-19 Pandemic**

Presenting Author: Jody Grundman, MD, MPH

12:30 p.m. - 1:30 p.m. **1160-P Development of the Pediatric Type 2 Diabetes Impact Measure (P-TIM)**

Presenting Author: Kristina Boye, PhD

12:30 p.m. - 1:30 p.m. **1162-P The Influence of Insulin Secretion on Insulin Dependence Trajectory in the Search for Diabetes in Youth Study**

Presenting Author: Lina Merjaneh, MD

12:30 p.m. - 1:30 p.m. **1163-P Disparities in Glucagon-Like Peptide 1 Receptor Agonist (GLP-1RA) Utilization in Pediatric Type 2 Diabetes (T2D)**

Presenting Author: Patricia Y. Chu, MD MHSc

12:30 p.m. - 1:30 p.m. **1164-P Associations of Human Milk Metabolites with Infant Adiposity and Body Composition Measures**

Presenting Author: Arti Uniyal, MD

12:30 p.m. - 1:30 p.m. **1165-P Glycemic Normalization following Vertical Sleeve Gastrectomy (VSG) in Youth with Type 2 Diabetes (T2D)**

Presenting Author: Natalie R. Segev, MD, MS

12:30 p.m. - 1:30 p.m. **1166-P Patient Perceptions of Genetic Testing in Pediatric Obesity Management**

Presenting Author: Rachel S. Massa, MD

12:30 p.m. - 1:30 p.m. **1167-P Mindfulness-Based Intervention Study in Adolescents with Type 2 Diabetes**

Presenting Author: Jessica Yorgason, BS

12:30 p.m. - 1:30 p.m. **1168-P Greater Catch-up Growth Is More Detrimental for Type 2 Diabetes Risk Than Short Stature**

Presenting Author: Puja Chebrolu, MD

12:30 p.m. - 1:30 p.m. **1169-P Validating the Family Nutrition Physical Activity Instrument for Spanish-Speaking Families with Children Ages 6–18 Using Cognitive Interviewing**

Presenting Author: Jenny L. Cepeda, MD

12:30 p.m. - 1:30 p.m. **1170-P Gender Identity, Racial/Ethnic Identity, and Health Behaviors—Which High Schoolers Are at Highest Risk for Type 2 Diabetes?**

Presenting Author: Melissa Santos, PhD

12:30 p.m. - 1:30 p.m. **1171-P Characteristics of Youths with Type 2 Diabetes Prescribed Sodium–Glucose Cotransporter 2 Inhibitors Surrounding FDA Approval at an Academic Pediatric Medical Center**

Presenting Author: Erika Y. Choi, DO

12:30 p.m. - 1:30 p.m. **1172-P MRI Brain Alterations in Youth with Obesity with and without Dysglycemia—Relationship to Insulin Sensitivity and Glycemia**

Presenting Author: Mary Ellen Vajravelu, MD, MSHP

12:30 p.m. - 1:30 p.m. **1173-P Impact of a Student-Focused Version of the Diabetes Prevention Program on Lifestyle—Results from a Pilot Randomized Trial**

Presenting Author: Lauren E. Wisk, PhD

12:30 p.m. - 1:30 p.m. **1174-P Correlates of Pancreatic Fat Content and Volume in a General Risk Population of Youth**
Presenting Author: Catherine C. Cohen, PhD, RD

12:30 p.m. - 1:30 p.m. **1175-P Putative Neuroinflammation and Smaller Brain Volumes in Youth with Obesity and Dysglycemia**
Presenting Author: Tamara Hershey, PhD

12:30 p.m. - 1:30 p.m. **1176-P Short-Term Reproducibility of i3C Risk Score in Predicting Cardiac Events in Young People**
Presenting Author: Ila N. Kacker, BA

12:30 p.m. - 1:30 p.m. **1177-P Associations of Growth Hormone Receptor (GHR) with Diabetes Complications in Youth with Type 2 Diabetes (T2D)**
Presenting Author: Chang Lu, MD

12:30 p.m. - 1:30 p.m. **1178-P Uncovering Glycemic Patterns in Young Healthy Children—A Framework for Interpreting CGM Data in Clinical Research**
Presenting Author: Sevan Esaian, PhD

12:30 p.m. - 1:30 p.m. **1179-P Imaging and Plasma-Derived Biomarkers of Neuroinflammation in Young Adults with Youth-Onset Type 2 Diabetes**
Presenting Author: Allison Shapiro, PhD, MPH

12:30 p.m. - 1:30 p.m. **1180-P Regional Grey Matter Volume and Brain Function in Obese Youth with and without Type 2 Diabetes**
Presenting Author: Ryan Brady, MD

12:30 p.m. - 1:30 p.m. **1181-P Six-Month Outcomes of Vertical Sleeve Gastrectomy (VSG) vs. Advanced Medical Therapy (AMT) in Youth-Onset Type 2 Diabetes (YO-T2D)**
Presenting Author: Kristen J. Nadeau, MD, MS

12:30 p.m. - 1:30 p.m. **1182-P Cognitive Function in Adolescents with Type 2 Diabetes—Distinguishing Diabetes vs. Obesity**
Presenting Author: Amy S. Shah, MD, MS

12:30 p.m. - 1:30 p.m. **1183-P Neighborhood Level Deprivation Is a Key Predictor of Glycemic Outcomes in Youth-Onset Type 2 Diabetes**
Presenting Author: Megan Yuasa, MD

12:30 p.m. - 1:30 p.m. **1184-P Substance Use in Young Adults with Type 1 Diabetes (T1D) in a Pediatric Clinic**
Presenting Author: Lauren A. Waterman, MD

12:30 p.m. - 1:30 p.m. **1185-P Determining Accuracy of Continuous Glucose Monitoring in Pediatric Patients in the Inpatient Setting**
Presenting Author: Eleanor Allen, MD

12:30 p.m. - 1:30 p.m. **1186-P A Short-Term Low Carbohydrate Diet Improves Glycemia in Adolescents and Young Adults with Type 1 Diabetes—Results from a Randomized Crossover Study**
Presenting Author: Laura M. Nally, MD

12:30 p.m. - 1:30 p.m. **1187-P Empowering Black and Hispanic Teens with Type 1 Diabetes (T1D)—Codesigning Solutions to Overcome Barriers to Technology Use**
Presenting Author: Charlotte Chen, DO

12:30 p.m. - 1:30 p.m. **1188-P Perspectives on Adult to Pediatric Adaptations of a Type 1 Diabetes (T1D) Specialty Community Health Worker (CHW) Model**
Presenting Author: Charlotte Chen, DO

12:30 p.m. - 1:30 p.m. **1189-P Evaluating Time to Technology Initiation among Newly Diagnosed Youth with Type 1 Diabetes**
Presenting Author: Jody Grundman, MD, MPH

12:30 p.m. - 1:30 p.m. **1190-P Social Determinants of Health Barriers in Newly Diagnosed Pediatric T1D and T2D Patients**
Presenting Author: Jasmine Roberts, BA

12:30 p.m. - 1:30 p.m. **1191-P Social Determinants of Health Barriers—Differences between Public vs. Private Insurance**
Presenting Author: Jasmine Roberts, BA

12:30 p.m. - 1:30 p.m. **1192-P Impact of Rotavirus Vaccination on Type 1 Diabetes Incidence among Children —Machine-Learning–Based Analysis**
Presenting Author: Jisun Park, Master's Degree

12:30 p.m. - 1:30 p.m. **1193-P Disparities in Time to CGM Initiation among Youth with T1D in National Claims Data**
Presenting Author: Elise S. Tremblay, MD, MPH

12:30 p.m. - 1:30 p.m. **1194-P Insulin Dose–Adjusted HbA1c Performance in Black and Hispanic Youth with Type 1 Diabetes**
Presenting Author: Michael L. Ferm, MD

12:30 p.m. - 1:30 p.m. **1195-P Disparities in Type 1 Diabetes Diagnosis—Autoantibodies Are Critical**
Presenting Author: Gabriel Ellison, MD

12:30 p.m. - 1:30 p.m. **1196-P Quick to Alter Insulin Doses, Slow to Adjust Regimens—Perspectives of Emerging Adults (EAs) Regarding T1D Self-Care**
Presenting Author: Arkadiusz Michalak, MD

12:30 p.m. - 1:30 p.m. **1197-P Association between Celiac Disease and Hemoglobin A1c Levels in Type 1 Diabetes Pediatric Patients—A Retrospective Chart Review**
Presenting Author: Amy Lin, BS

12:30 p.m. - 1:30 p.m. **1198-P Relationship between CGM Metrics and Beta-Cell Function in First Two Years after Diagnosis of Type 1 Diabetes (BANDIT Study)**
Presenting Author: Thomas Kay, PhD

12:30 p.m. - 1:30 p.m. **1199-P Social Determinants of Health in a Pediatric Cohort with Type 1 Diabetes—Uncovering Barriers to Better Outcomes**
Presenting Author: Andrea Granados, MD

12:30 p.m. - 1:30 p.m. **1200-P Parental Preferences for Novel Resources about Health Care Transition for Their Adolescent/Young Adult with Type 1 Diabetes**
Presenting Author: Kate Diaz Roldan, MPH

12:30 p.m. - 1:30 p.m. **1201-P Exploring Disparities in Prescriptions for Insulin Pumps among Youth with Type 1 Diabetes**
Presenting Author: Pavandeep Rakhra, DO

12:30 p.m. - 1:30 p.m. **1202-P Device-Related Skin Reactions Based on Race and Gender Identification**

Presenting Author: Erin C. Cobry, MD

12:30 p.m. - 1:30 p.m. **1203-P Overweight and Obesity in Youth with Type 1 Diabetes (T1D)**

Presenting Author: Horacio J. Velasquez, MD

12:30 p.m. - 1:30 p.m. **1204-P Weight Bias Internalization in Youth with Type 1 Diabetes Mellitus—Potential Associations with HbA1c and Disordered Eating Behaviors**

Presenting Author: Caroline Figgie, MD

12:30 p.m. - 1:30 p.m. **1205-P Celiac Disease Screening in Children with Type 1 Diabetes Mellitus**

Presenting Author: Katie L. O'Sullivan, MD

12:30 p.m. - 1:30 p.m. **1206-P Medical and Demographic Correlates of Session Attendance among Historically Minoritized Youth with T1D in a CGM Behavioral Intervention**

Presenting Author: Amanda G. Perkins, MSN, MPH

12:30 p.m. - 1:30 p.m. **1207-P Associations of Glycemia, Vitamin D, and Physical Activity with Bone Mineral Density (BMD) in Youth with Type 1 Diabetes (T1D)**

Presenting Author: Nessa Tantivit, MD

12:30 p.m. - 1:30 p.m. **1208-P Parent–Teen Agreement on Teen Diabetes Self-Efficacy (DSE) Relates to Psychosocial Well-Being**

Presenting Author: Lucas S. Matzenbacher, MD

12:30 p.m. - 1:30 p.m. **1209-P Barriers to Home A1C Collection Completion among Emerging Adults with Type 1 Diabetes**

Presenting Author: Anuhya K. Kanchibhatla, BS

12:30 p.m. - 1:30 p.m. **1210-P Barriers to Automated Insulin Delivery System (AID) Use and Desired Aid Improvements in Youth with Type 1 Diabetes (T1D) with Elevated A1C**

Presenting Author: Ideen Tabatabai, MD

12:30 p.m. - 1:30 p.m. **1211-P Screening for Disordered Eating Behaviors in Youth with Type 1 Diabetes and the Impact of Using the Advanced Diabetes Technologies—Feasible and Needed**

Presenting Author: Rawan Elrajabi, MD

12:30 p.m. - 1:30 p.m. **1212-P Anthropometric Trends in Children with T1DM Onset over a Three-Year Follow-up—A Case Control Study across Latin American Centers**

Presenting Author: Valeria Hirschler, MD

12:30 p.m. - 1:30 p.m. **1213-P Correlation of Home Monitoring and In-Clinic C-Peptide Values in Patients with New-Onset Type 1 Diabetes**

Presenting Author: Taylor M. Triolo, MD

12:30 p.m. - 1:30 p.m. **1214-P Iscalimab in Adolescents and Young Adults with New-Onset Type 1 Diabetes**

Presenting Author: Allison Goldfine, MD

12:30 p.m. - 1:30 p.m. **1215-P Utility and Accuracy of Blood Glucose Control Using RT-CGM in Type 1 Diabetes Summer Camp**

Presenting Author: Tatsuya Kondo, MD, PhD

12:30 p.m. - 1:30 p.m.	**1216-P Mobile Device–Based Ecological Momentary Assessment (Mobile-EMA) in Adolescents and Young Adults (AYA) with Diabetes** Presenting Author: Amit Shapira, PhD
12:30 p.m. - 1:30 p.m.	**1217-P Problem-Solving and Text Messaging Interventions to Improve Diabetes-Related Psychosocial Outcomes in Teens with Type 1 Diabetes (T1D)—A Randomized Controlled Trial (RCT)** Presenting Author: Lori M. Laffel, MD, MPH
12:30 p.m. - 1:30 p.m.	**1218-P Benchmarking Ratio of Diabetes Providers to Number of People with Type 1 Diabetes across Nine Pediatric Centers** Presenting Author: Nicole Rioles, MA
12:30 p.m. - 1:30 p.m.	**1219-P GMI Remains a Valid Indicator of Glycemic Control in Adolescents and Young Adults (AYA) with T1D** Presenting Author: Liane J. Tinsley, MPH
12:30 p.m. - 1:30 p.m.	**1220-P Bridge Into Adulthood—Global Practice on Transitioning Youth with Type 1 Diabetes from Pediatric to Adult Care—Findings from SWEET Database and Center Survey** Presenting Author: Faisal Malik, MD, MSHS
12:30 p.m. - 1:30 p.m.	**1221-P Lessons from Long-Term Treatment with Different Automated Insulin Delivery (AID) Systems** Presenting Author: Olga Kordonouri, PhD
12:30 p.m. - 1:30 p.m.	**1222-P Insulin Dose Adjustment Policy for CDCES—Safe and Effective** Presenting Author: Jeannine Leverenz, RN, MS
12:30 p.m. - 1:30 p.m.	**1223-P Novel Multiplex Elisa Assay to Measure Islet Autoantibodies Fit for Large-Scale Population Screening of Type 1 Diabetes** Presenting Author: Xiaofan Jia, MD, PhD
12:30 p.m. - 1:30 p.m.	**1224-P The Diabetes Journey of Black Youth and Their Families—Challenges, Resilience, and Personal Empowerment** Presenting Author: Cathy M. Charles, MPH
12:30 p.m. - 1:30 p.m.	**1225-P Identification of Novel Extracellular Vesicle–Based Circulating Biomarkers for Type 1 Diabetes** Presenting Author: Roberto Leon-Gutierrez, MD
12:30 p.m. - 1:30 p.m.	**1226-P Current Sociodemographic Disparities in Continuous Glucose Monitor (CGM) Use—Shifting from Access to Wear Time** Presenting Author: Paul Enlow, PhD
12:30 p.m. - 1:30 p.m.	**1227-P Reduced-Carbohydrate Diets Elevate IGFBP-1 in Type 1 Diabetes** Presenting Author: Mohammad N. Akbar, MD
12:30 p.m. - 1:30 p.m.	**1228-P Disordered Eating Behaviors and Metabolic Outcomes in Youth with Type 1 Diabetes on Automated Insulin Delivery** Presenting Author: Kelsey B. Eitel, MD
12:30 p.m. - 1:30 p.m.	**1229-P Generic Health Literacy and Glycemic Control in Children and Adolescents with Type 1 Diabetes**

Presenting Author: Angela Galler, .

12:30 p.m. - 1:30 p.m. **1525-P Genetic Ancestry and Progression through Type 1 Diabetes (T1D) Stages**

Presenting Author: Heba M. Ismail, MB, BCh, PhD

12:30 p.m. - 1:30 p.m. **1526-P A Clinically Optimized Genetic Prediction Model for Differentiating Type 1 and Type 2 Diabetes**

Presenting Author: Yuta Matsuda, MS

12:30 p.m. - 1:30 p.m. **1527-P Plasma Protein Profiles of Type 1 Diabetes in the UK Biobank Pharma Proteomics Project (UKB-PPP)**

Presenting Author: Xuan Zhou, BMed

12:30 p.m. - 1:30 p.m. **1528-P Sperm DNA Methylation Is Altered in Men with Type 1 Diabetes**

Presenting Author: Rafael Ferraz-Bannitz, PhD

12:30 p.m. - 1:30 p.m. **1530-P Genetic Polymorphisms Associated with Advanced Histologic Fibrosis and High Fibrosis Biomarkers in Patients with Metabolic Dysfunction–Associated Steatotic Liver Disease (MASLD) and Type 2 Diabetes (T2D)**

Presenting Author: Zobair M. Younossi, MD, MPH

12:30 p.m. - 1:30 p.m. **1531-P MODY6—A Novel NEUROD1 Variant (c.715G>A) Driving Early-Onset Diabetes and Accelerated Microangiopathy in Adolescence**

Presenting Author: Jayde T. Hooven-Davis, MD

12:30 p.m. - 1:30 p.m. **1532-P Alternative Polyadenylation in Key Metabolic Tissues from Individuals with Type 2 Diabetes**

Presenting Author: Peter Ellsworth, BS

12:30 p.m. - 1:30 p.m. **1533-P A1C at Insulin Discontinuation Is Associated with Higher Insulin Secretion in Ketosis Prone Diabetes (KPD)**

Presenting Author: Prajna Dsilva, MBBS

12:30 p.m. - 1:30 p.m. **1534-P Proof of Concept Validating a Pharmacogenetic Study on the Human Response to Oral Semaglutide**

Presenting Author: Bryan Kuo, MD

12:30 p.m. - 1:30 p.m. **1535-P Gene Expression and Pathway Analysis in African Americans with T2DM and HCV Comorbidity**

Presenting Author: Tanmoy Mondal, PhD

12:30 p.m. - 1:30 p.m. **1536-P Moving from T2D Genetic Clusters to Patients Characteristics**

Presenting Author: Wayne H-H Sheu, MD, PhD

12:30 p.m. - 1:30 p.m. **1537-P Missense Mutation of Isl1(E283D) Is Associated with the Development of Type 2 Diabetes**

Presenting Author: Limei Liu, MD, PhD

12:30 p.m. - 1:30 p.m. **1538-P Diagnostic and Therapeutic Potential of Urinary Extracellular Vesicle Small RNAs in Type 2 Diabetes**

Presenting Author: Md Zubbair Malik, PhD

12:30 p.m. - 1:30 p.m. **1539-P Genetic Variants and Evidence of Digenic Inheritance on the Clinical Presentation of Maturity Onset Diabetes of the Young in Taiwan**

Presenting Author: Yi-Jing Sheen, MD, PhD

12:30 p.m. - 1:30 p.m. **1540-P Alterations in the Gut Virome in Newly Diagnosed Type 2 Diabetes Mellitus and Diabetic Ketosis**
Presenting Author: Ming Lu, MD, PhD

12:30 p.m. - 1:30 p.m. **1541-P Genetic Regulation and Association of Adipose and Muscle Tissue-Derived Small Extracellular Vesicles with Obesity and Insulin Resistance**
Presenting Author: Swapan K. Das, PhD

12:30 p.m. - 1:30 p.m. **1542-P Variants of Known MODY-Related Genes Were Rare in Diabetes of the Young**
Presenting Author: Mashfiqul Hasan, MD

12:30 p.m. - 1:30 p.m. **1543-P A Novelle Wolfram Syndrome Variant in Ecuador**
Presenting Author: Josefa Palacio, .

12:30 p.m. - 1:30 p.m. **1544-P Hemoglobin S Promotes Glucose Dysregulation in the Obese State in a Mouse Model of Human Sickle Cell Disease**
Presenting Author: Joseph Zapater, MD, PhD

12:30 p.m. - 1:30 p.m. **1545-P Partitioned Polygenic Risk Scores (pPRS), Relationship between Insulin Secretion and Sensitivity, and Incidence of Type 2 Diabetes (T2D) in People with Prediabetes**
Presenting Author: Elsa Vazquez Arreola, PhD

12:30 p.m. - 1:30 p.m. **1684-P A GLP-1 Analogue Optimized for cAMP-Biased Signaling Improves Weight Loss in Obese Mice**
Presenting Author: Jonathan D. Douros, PhD

12:30 p.m. - 1:30 p.m. **1685-P Ectopic Hepatic GLP-1R Agonism Enhances the Weight Loss Efficacy of GLP-1 Analogues**
Presenting Author: Jonathan D. Douros, PhD

12:30 p.m. - 1:30 p.m. **1686-P Novel Combination of a Mitochondrial Protonophore (MP) and an Acetyl-CoA Carboxylase 2 (ACC2) Inhibitor Causes Weight Loss and Preserves Lean Mass in Obese Mice**
Presenting Author: Natalie Sroda, MSc

12:30 p.m. - 1:30 p.m. **1687-P Sequential Combination of the Mitochondrial Protonophore (MP) TLC-6740 with Semaglutide Normalizes Body Weight and Preserves Lean Mass in DIO Mice**
Presenting Author: Natalie Sroda, MSc

12:30 p.m. - 1:30 p.m. **1688-P Novel Oral Apelin Receptor Agonist PSTC1201 for Selective Weight Loss with Muscle Preservation When Combined with Semaglutide in DIO Mice Model**
Presenting Author: Ying Li, MD, PhD

12:30 p.m. - 1:30 p.m. **1689-P Semaglutide Depot, a Long-Acting Injection of Semaglutide Administered Once Every Four Weeks—Pharmacokinetic Modeling and Human-Based Allometric Scaling**
Presenting Author: Ehud Marom, BSc

12:30 p.m. - 1:30 p.m. **1690-P PG-110, a Novel Bispecific Antibody Targeting ActRII and Myostatin, Enhances Fat-Specific Weight Loss and Improves Bone Health in Combination with GLP-1 Agonist Therapy**
Presenting Author: Younglim Son, PhD

12:30 p.m. - 1:30 p.m. **1691-P Effects of Obstructive Sleep Apnoea on Cognitive Function and Behaviour—Insight from an Innovative C57BL/6 Mouse Model**
Presenting Author: Eman M.M. Alshawaf, PhD

12:30 p.m. - 1:30 p.m. **1692-P Metabolic Assessment of Semaglutide (a GLP-1R Agonist) and Tirzepatide (a GLP-1R/GIPR Coagonist) in Diet-Induced Obese (DIO) Mice**
Presenting Author: Sarah Olkkola, BS

12:30 p.m. - 1:30 p.m. **1693-P Cagrisema-Induced Weight Loss in Diet-Induced Obese Rats Relies on Preserved Mitochondrial Leak Respiration in Skeletal Muscle**
Presenting Author: Ida Blom, MSc

12:30 p.m. - 1:30 p.m. **1694-P De Novo or Sequential Combination of the Mitochondrial Protonophore TLC-1180 with Semaglutide Improves Weight Loss and Preserves Lean Mass in Dio Mice**
Presenting Author: Monika Sharma, PhD

12:30 p.m. - 1:30 p.m. **1695-P Hypoxia and Mitochondrial Unfolded Protein Response in Adipocytes**
Presenting Author: Fenfen Wang, PhD

12:30 p.m. - 1:30 p.m. **1696-P ENT-03 Has Additive Weight Loss and Insulin Normalization Effects with Semaglutide in Diet-Induced Obesity (DIO) in Mice**
Presenting Author: Richard S. Larson, MD, PhD

12:30 p.m. - 1:30 p.m. **1698-P Regulation of the Melanocortin-4 Receptor (MC4R) by Attractin-Like Protein 1 (ATRNL1)**
Presenting Author: Paul Buscaglia, PhD

12:30 p.m. - 1:30 p.m. **1699-P Free Fatty Acid Receptors 2 and 3 Mediate the Beneficial Effects of Fiber**
Presenting Author: Nupur Pandya, BS

12:30 p.m. - 1:30 p.m. **1700-P Sex- and Tissue-Specific Roles of X Chromosome Inactivation RNA (Xist) in Metabolic Homeostasis in Mice**
Presenting Author: S M Nazmul Haque, PhD

12:30 p.m. - 1:30 p.m. **1701-P Activin E–Blocking Antibody for Treatment of Metabolic Diseases**
Presenting Author: Cory Schwartz, PhD

12:30 p.m. - 1:30 p.m. **1702-P Time-Restricted Feeding Associated with Resistance Training Ameliorates MAFLD and Improves Insulin Sensitivity in Obese Male and Female Mice**
Presenting Author: José R. Pauli, PhD

12:30 p.m. - 1:30 p.m. **1703-P Treating Glucose Intolerance and High-Fat Diet–Induced Adiposity with the Novel Antidiabetic TIX100**
Presenting Author: SeongHo Jo, PhD

12:30 p.m. - 1:30 p.m. **1704-P Survodutide Improves Heart Failure with Preserved Ejection Fraction and Dyslipidemia in a Diet-Induced Obese Hamster Model**
Presenting Author: Francois Briand, PhD

12:30 p.m. - 1:30 p.m. **1705-P Metabolic Effects of Three Weeks of Erythropoietin Treatment in Young Wild-Type Mice Fed High-Fat Diet or Normal Chow**
Presenting Author: Heather Rogers, MS

12:30 p.m. - 1:30 p.m. **1706-P Harnessing Lipid Metabolism in Macrophages by Lysosomal-Mitochondrial Coupling to Treat Obesity**
Presenting Author: Jun Huang, PhD

12:30 p.m. - 1:30 p.m. **1707-P Direct Assessment of Gastric Emptying Kinetics Using Barium Meal Administration in Semaglutide-Treated Nonhuman Primates (NHPs)**
Presenting Author: Rosario M. Perez, MD

12:30 p.m. - 1:30 p.m. **1708-P Development of a Needle-Free, Self-Applied Microarray Patch for GLP-1 Delivery**
Presenting Author: Lynda Tussey, PhD

12:30 p.m. - 1:30 p.m. **1709-P Novel Interleukin-22 Partial Agonists Improve Metabolic Syndrome In Vivo**
Presenting Author: Martin Oft, MD

12:30 p.m. - 1:30 p.m. **1710-P Erythropoietin Protects against Nonalcoholic-Liver Fat Disease via Inhibition of Taurocholic Acid (TCA)-S1PR2 Dependent Process during High-Fat Diet Feeding in Mice**
Presenting Author: Weiqin Yin, PhD

12:30 p.m. - 1:30 p.m. **1711-P The Anti-myostatin Antibody SRK-439 Improves Grip Strength during GLP-1RA Treatment in a Mouse Model of Obesity**
Presenting Author: Leslie Cortes, PhD

12:30 p.m. - 1:30 p.m. **1712-P Serum Response Factor (SRF) Drives Actin Cytoskeletal Remodeling in Adipocytes to Support Hypertrophic Growth and Lipid Storage during Obesity**
Presenting Author: Jisun So, PhD

12:30 p.m. - 1:30 p.m. **1713-P Deletion of SGK1 in Smooth Muscle Cells Induces Adipose Tissue Beiging and Differential Secretion of Vasokines**
Presenting Author: Jasmine A. Burrell, PhD

12:30 p.m. - 1:30 p.m. **1714-P Adipose-Specific FFAR2 Deletion Alters Metabolic Outcomes and Exacerbates Inflammation in Mice Under Obesogenic Conditions**
Presenting Author: Chioma C. Nnyamah, PhD

12:30 p.m. - 1:30 p.m. **1715-P Discovery of a Novel Long-Acting Urocortin 2 Analog for Improving Body Composition in Obese Mice**
Presenting Author: Haixia Zou, PhD

12:30 p.m. - 1:30 p.m. **1716-P Nimacimab, a Peripherally Restricted CB1 Inhibitor, Promotes Metabolic Homeostasis in a Diet-Induced Obesity (DIO) Mouse Model as Demonstrated by Weight Loss, Restored Hormonal Regulation, and Reduced Inflammatory Biomarkers**
Presenting Author: Shawn A. Morales, PhD

12:30 p.m. - 1:30 p.m. **1718-P GPSM1 Impairs Adipose Cd103+Cd73+ Treg Cell Subset and Metabolic Homeostasis during Obesity**
Presenting Author: Xiaorui Lyu, PhD

12:30 p.m. - 1:30 p.m. **1719-P Deletion of miR-130b/301b Cluster Promotes Macrophage Efferocytosis and Resolution of Adipose Tissue Inflammation**
Presenting Author: Shaoning Jiang, PhD

12:30 p.m. - 1:30 p.m. **1720-P Epigenetic Regulator Slug Directly Promotes Beige Adipogenesis**

Presenting Author: Liping Ju, MD

12:30 p.m. - 1:30 p.m. **1721-P Bile Acid Binding Resins Improve Glucagon Receptor Agonist-Mediated Weight Loss in Diet-Induced Obese Mice**
Presenting Author: Teayoun Kim, PhD

12:30 p.m. - 1:30 p.m. **1722-P Total and Site-Specific Cancer Risks in Young Obese Adults—Six Million Large-Scale Data from Korean Population**
Presenting Author: Seung Yeon Kim, MD

12:30 p.m. - 1:30 p.m. **1723-P Weight Reduction Mediated by Antiobesity Medications and the Risk of Obesity-Associated Cancer—A Meta-analysis of Randomized Controlled Trials**
Presenting Author: Chu Lin, MD

12:30 p.m. - 1:30 p.m. **1724-P Association between Relative Cord Hyperleptinemia and Body Mass Index in Offspring Born to Overweight and Obese Mothers**
Presenting Author: Jincy Immanuel, PhD

12:30 p.m. - 1:30 p.m. **1725-P Development and Validation of Machine-Learning Models for Predicting Low Muscle Mass in Patients with Obesity and Diabetes**
Presenting Author: Jiaying Ge, MD

12:30 p.m. - 1:30 p.m. **1726-P Comparison of Subcutaneous, Visceral, Liver, and Muscle Fat Depots in Relation to Diabetes Risk—A Prospective Cohort Study**
Presenting Author: Danyang Wang, PhD student

12:30 p.m. - 1:30 p.m. **1727-P Reduced Aromatic Amino Acid Suppression during Acute Hyperglycemia in Young Adults with Obesity**
Presenting Author: Brooke C. Matson, MD, PhD

12:30 p.m. - 1:30 p.m. **1728-P Identifying Presurgery Urine Biomarkers for Type 2 Diabetes Mellitus Improvement with Bariatric Surgery**
Presenting Author: Alice Murphy, BSc, PhD

12:30 p.m. - 1:30 p.m. **1729-P Achieving BMI <25 kg/m2 Was Associated with Reduced Predicted Risk of Atherosclerotic Cardiovascular Disease in People with Obesity or Overweight—A Post Hoc Analysis of SURMOUNT-1, -3, and -CN**
Presenting Author: Lixin Guo, MD

12:30 p.m. - 1:30 p.m. **1730-P The Antiobesity Medications and Renal Outcomes, One Answer But with Multiple Implications—A Meta-analysis of Randomized Controlled Trials**
Presenting Author: Chu Lin, MD

12:30 p.m. - 1:30 p.m. **1731-P A Six-Month Single-Arm Study Testing the Effectiveness of Commercial Telehealth Medical Weight Management and GLP-1 Behavioral Program on Weight Loss and Blood Pressure Outcomes**
Presenting Author: Michelle Cardel, PhD, MS, RD

12:30 p.m. - 1:30 p.m. **1732-P The Impact of a Commercial Telehealth Medical Weight Management and GLP-1 Behavioral Program on Quality of Life and Eating Behavior Outcomes in a Six-Month Single-Arm Study**
Presenting Author: Michelle Cardel, PhD, MS, RD

12:30 p.m. - 1:30 p.m. **1733-P Two-Year Real-World Effectiveness of Semaglutide in Patients with Obesity or Overweight**
Presenting Author: Aleksandrina Ruseva, PharmD

12:30 p.m. - 1:30 p.m. **1734-P Reduction of the 10-Year ASCVD Risk in Patients with Overweight or Obesity Treated with Semaglutide 2.4 mg in Routine Clinical Care—A Real-World Study**
Presenting Author: Aleksandrina Ruseva, PharmD

12:30 p.m. - 1:30 p.m. **1736-P Metabolic Health, Obesity, and Renal Cell Carcinoma Risk in Korean Young Adults—A Population-Based Cohort Study**
Presenting Author: Hyewon Mun, MD

12:30 p.m. - 1:30 p.m. **1737-P Pharmacological Inhibition of Acyl-CoA Synthetase as a Novel Strategy for Weight Reduction and Metabolic Health Improvement**
Presenting Author: Fatema Alrashed, Phd, MRes, Bsc

12:30 p.m. - 1:30 p.m. **1738-P Medical Events Associated with Metabolic Bariatric Surgery among Adults with Type 2 Diabetes—A Retrospective, Matched Cohort Study**
Presenting Author: Kristina Boye, PhD

12:30 p.m. - 1:30 p.m. **1739-P Photobiomodulation Acutely Augments Resting Metabolism in Women with Obesity**
Presenting Author: Roberto Codella, PhD

12:30 p.m. - 1:30 p.m. **1740-P Weight Loss-Related Changes in MRI-Derived Measures of Body Composition and Liver Health—A Large-Scale Analysis from the UK Biobank**
Presenting Author: Helena B. Thomaides-Brears, DPhil, BSc

12:30 p.m. - 1:30 p.m. **1741-P Resolving Inflammation in Cardiometabolic Health and Disease**
Presenting Author: Saeideh Tavajoh, MD

12:30 p.m. - 1:30 p.m. **1742-P LAMA4 - ITGA9/ITGB1 Signaling Mediates Adipocyte–Macrophage Coevolution in Obesity-Related Metabolic Dysfunction**
Presenting Author: Rui Zeng, MD

12:30 p.m. - 1:30 p.m. **1743-P Assessing Disparities in Diabetes Prevention and Obesity Pharmacotherapy Treatment Outcomes among Veterans—A Local Cohort Study**
Presenting Author: Diana Torres Pinzon, MD, PhD

12:30 p.m. - 1:30 p.m. **1744-P Baseline Body Mass Index and Its Change Patterns and All-Cause Mortality in Adults with Type 2 Diabetes—A Real-World Study**
Presenting Author: Tingting Hu, PhD

12:30 p.m. - 1:30 p.m. **1745-P Long-Term Safety and Efficacy of Once-Weekly Dosage of 2.4 mg Semaglutide for Weight Loss in Patients with and without Diabetes—An Updated Systematic Review and Meta-analysis of Randomized Controlled Trials**
Presenting Author: Mian Muhammad Salman Aslam, MBBS

12:30 p.m. - 1:30 p.m. **1746-P Linking Metabolic Health with Sleep Efficiency in Adolescents and Adults**
Presenting Author: Yaling Fang, MD

12:30 p.m. - 1:30 p.m. **1747-P Metabolic Benefits of Plant-Based Caloric Restriction Diets in Obesity Management—A Twelve-Week Randomized Controlled Trial**
Presenting Author: Kelibinuer Mutailipu, Bachelor's Degree (Candidate)

12:30 p.m. - 1:30 p.m. **1748-P Insulin and Niacin Resistance to Antilipolysis in Humans**
Presenting Author: Shuhao Lin, PhD, RD

12:30 p.m. - 1:30 p.m. **1749-P In Utero Exposure to Gestational Diabetes (GDM) and Prenatal Depression and Childhood Obesity Risk**
Presenting Author: Alicia K. Peterson, PhD

12:30 p.m. - 1:30 p.m. **1750-P Long-Term and Short-Term Effects of Air Pollution on BMI and Obesity—A Large-Scale Multicenter Study in China**
Presenting Author: Rong R. Sheng, BS

12:30 p.m. - 1:30 p.m. **1751-P Physical Exercise Associated or Not with Taurine Supplementation—Impacts on Metabolic Health in Older Women with Sarcopenic Obesity**
Presenting Author: Gabriela Abud, PhD student

12:30 p.m. - 1:30 p.m. **1752-P Investigating Cardiovascular Protective Molecular Mechanisms Associated with Liraglutide**
Presenting Author: Aparna Duggirala, PhD

12:30 p.m. - 1:30 p.m. **1754-P Analysis of Risk Factors and Construction of Prediction Model for Acute Hypertension after Laparoscopic Sleeve Gastrectomy**
Presenting Author: Yue Wang, PhD

12:30 p.m. - 1:30 p.m. **1755-P Association between Body Roundness Index and Metabolically Healthy Obesity/Metabolically Unhealthy Obesity among U.S. Adults**
Presenting Author: Jialin Wen, MD

12:30 p.m. - 1:30 p.m. **1756-P Metabolic Bariatric Surgery Effects on Skeletal Muscles and Adipose Tissues**
Presenting Author: Marina Cardellini, MD, PhD

12:30 p.m. - 1:30 p.m. **1757-P The Rebound Effect—Weight Regain after Tirzepatide Discontinuation**
Presenting Author: Dima Bechenati, MD

12:30 p.m. - 1:30 p.m. **1758-P Evaluation of MRI-PDFF Using Lipoquant vs. Siemens Liverlab to Measure Hepatic Fat Content in Adolescents with Obesity**
Presenting Author: Yesenia Garcia Reyes, MSc

12:30 p.m. - 1:30 p.m. **1759-P Effect of Meal Replacement Compared with Liraglutide 3.0 mg on Weight Loss and Hepatic Steatosis before Bariatric Surgery—A Randomised Study**
Presenting Author: Verena Parzer, MD

12:30 p.m. - 1:30 p.m. **1760-P The Secretome of Visceral Adipose Cells from Obese Subjects Promotes Epithelial–Mesenchymal Transition of Human Breast Cancer Cell Line MCF7**
Presenting Author: Giuseppe Palma, PhD

12:30 p.m. - 1:30 p.m. **1761-P Sex Differences in Emotion Regulation, Leptin, and Eating Behavior in Response to Stress and Food Cues**
Presenting Author: Claudia Horvath-Diano, MSc

12:30 p.m. - 1:30 p.m. **1762-P Regional Body Fat Distribution Is Associated with Higher Risk for Sleep Deficiency and Sleep Disorders**
Presenting Author: Jad Zreik, MD

12:30 p.m. - 1:30 p.m. **1763-P Impact of Telehealth Delivered GLP-1RA Therapy on Cardiometabolic Outcomes in a Weight Management Program**
Presenting Author: Lauren Broffman, PhD

12:30 p.m. - 1:30 p.m. **1765-P Genotyping and DNA Methylation Changes in Adipose Tissue of Pre- and Post–Metabolic Surgery Patients—Preliminary Data**
Presenting Author: Agnieszka Wisniewska, BSc

12:30 p.m. - 1:30 p.m. **1766-P Risk–Benefit Data from the International Duodenal Jejunal Bypass Liner (DJBL) Registry**
Presenting Author: Robert E. J. Ryder, MD, FRCP

12:30 p.m. - 1:30 p.m. **1767-P Body Composition and Body Mass Index among People with and without Diabetes—A National Analysis, 2011–2018**
Presenting Author: Rodolfo J. Galindo, MD

12:30 p.m. - 1:30 p.m. **1768-P Sustainability of Waist-Height Ratio in Surmount-1 Three-Year Study**
Presenting Author: Louis J. Aronne, MD, FACP, DABOM

12:30 p.m. - 1:30 p.m. **1770-P Secretin Infusion Has Little or No Effect on Circulating Markers of Bone Remodelling, Incretin Hormones, and Glucagon in Healthy Males**
Presenting Author: Sebastian M. Nguyen Heimbürger, PhD

12:30 p.m. - 1:30 p.m. **1771-P Influence of Stressful and Traumatic Life Events and Chronic Stress on Ad-lib Sweet Food Intake and Its Relationship to Obesity**
Presenting Author: Elizabeth A. Doyle, DNP, APRN, FAAN

12:30 p.m. - 1:30 p.m. **1772-P Baseline Characteristics of Participants Who Achieved Normal BMI—Surmount-1 Three-Year Study Post Hoc Analysis**
Presenting Author: Clare Lee, MD

12:30 p.m. - 1:30 p.m. **1773-P Effects of the Novel Long-Acting Amylin Analogue Petrelintide on Body Weight and Waist Circumference by Sex in a Phase 1 Trial**
Presenting Author: Tim Heise, MD

12:30 p.m. - 1:30 p.m. **1775-P Comparison of Overweight Definitions Using WtHR and BMI—Insights from the Taiwan Lifestyle Study**
Presenting Author: I Weng Yen, Master's Degree

12:30 p.m. - 1:30 p.m. **1777-P Exploring the European Association for the Study of Obesity (EASO) Criteria for Identifying Abdominal Visceral Fat Accumulation in the Chinese Population**
Presenting Author: Bingying Yang, BMed

12:30 p.m. - 1:30 p.m. **1778-P Greater Neural Responses to Dynamic, Not Static, Food Images by Weight Status**
Presenting Author: Dabin Yeum, PhD

12:30 p.m. - 1:30 p.m. **1779-P Cracking the Code—How the Individualized Metabolic Surgery Score Predicts Weight Loss with Tirzepatide in People with Type 2 Diabetes and Obesity**
Presenting Author: Regina Castaneda, MD

12:30 p.m. - 1:30 p.m. **1780-P Feasibility and Acceptability of 8-Hour Time-Restricted Eating with Aerobic or Resistance Training in Older Adults with Prediabetes and Obesity**
Presenting Author: Kelsey Gabel, RD, PhD

12:30 p.m. - 1:30 p.m. **1781-P Obesity Promotes Triple-Negative Breast Cancer Progression through Regulating the Plasticity of Adipose Tissue**
Presenting Author: Xi Xu, MD, PhD

12:30 p.m. - 1:30 p.m. **1782-P Association of Body Fat Distribution with Insulin Resistance and Inflammation in Lean vs. Obese Individuals**
Presenting Author: Seerat Anand, MBBS

12:30 p.m. - 1:30 p.m. **1783-P Impaired Tryptophan Metabolite ITE-Linked Aryl Hydrocarbon Receptor Function in Plasma of Individuals with Obesity and Diabetes**
Presenting Author: Fatemah Bahman, PhD

12:30 p.m. - 1:30 p.m. **1784-P Anti-inflammatory Effects of Liraglutide in Obesity**
Presenting Author: Assim A. Alfadda, MD, MSc, FRCPC, FACP, FACE, MBA

12:30 p.m. - 1:30 p.m. **1785-P Clinical Characteristics and Medication Use in Children and Young Adults with Obesity in the United States**
Presenting Author: Theresa Hunter Gibble, PhD, MPH, MS

12:30 p.m. - 1:30 p.m. **1786-P Trends in Diagnosed Diabetes Prevalence across Anthropometric Measurements in the United States, 2001–2023**
Presenting Author: Daesung Choi, PhD

12:30 p.m. - 1:30 p.m. **1787-P Taurine Supplementation Combined with Multicomponent Training Reduces Adipocyte Area in Older Women with Sarcopenic Obesity**
Presenting Author: Gabriela U. Ortiz, PhD Student

12:30 p.m. - 1:30 p.m. **1788-P Preclinical Study of Type 1 Diabetes through Small Molecule Immunotherapy Approach**
Presenting Author: Jianming Yin, PhD

12:30 p.m. - 1:30 p.m. **1789-P Advanced Age in Spontaneously Hypertensive Rats Induces Prediabetes by Alterations in Pancreatic Islets**
Presenting Author: Alonso Vilches-Flores, PhD

12:30 p.m. - 1:30 p.m. **1790-P A Novel Monoclonal Antibody Blocks TMEM219 Signal and Prevents T1D**
Presenting Author: Emma Assi, PhD

12:30 p.m. - 1:30 p.m. **1791-P Aptamer-Engineered Human Islets to Prevent IBMIR in Islet Cell Transplantation**
Presenting Author: Jagan Kalivarathan, PhD

12:30 p.m. - 1:30 p.m. **1792-P The Role of Metabolic Flexibility in Nitric Oxide–Induced Activation of the Unfolded Protein Response**
Presenting Author: Charles Danaher, BS

12:30 p.m. - 1:30 p.m. **1793-P Deficiency of GPD2 Leads to Pancreatic β-Cell Dysfunction and Apoptosis through Regulation of the PI3K/AKT/mTOR Pathway**
Presenting Author: Jingwen Qiu, MD

12:30 p.m. - 1:30 p.m. **1794-P The Effects of Amyloid Formation in Human Islets on Islet-Derived Extracellular Vesicles**
Presenting Author: Rushie Tyagi, BSc

12:30 p.m. - 1:30 p.m. **1795-P RIPK1 Mediates Nucleic Acid Sensor Expression and IFNγ+dsRNA-Induced β-Cell Death**
Presenting Author: Renato C. S. Branco, PhD

12:30 p.m. - 1:30 p.m. **1796-P Wnt Signaling in Pancreatic Islets of Obese Individuals and Type 2 Diabetic and Obese Mice**

Presenting Author: Daniela Maschio, phD, Dr

12:30 p.m. - 1:30 p.m. **1797-P GLP-1/GLP-1 Receptor Autocrine Loop Mediates Glucagon Receptor Antagonism-Induced α-Cell Phenotype Conversion**

Presenting Author: Tianjiao Wei, PhD

12:30 p.m. - 1:30 p.m. **1798-P Gain-of-Function KCNJ11 Mutation in Neonatal Diabetes Mellitus—Effects of Early Sulfonylurea and Beta-Cell Proliferation**

Presenting Author: Shi-Bing Yang, PhD

12:30 p.m. - 1:30 p.m. **1799-P The Tauroursodeoxycholic Acid (TUDCA) Treatment Restores Insulin Secretion by Modifying the Cellular Architecture of the Endocrine Pancreas in Undernutrition Mice**

Presenting Author: Lohanna M. Barreto dos Santos, Master's Degree

12:30 p.m. - 1:30 p.m. **1800-P Distinct Transcriptomic Dynamics between α-Cell and β-Cell Differentiation Revealed by Single-Cell RNA Sequencing**

Presenting Author: Takeshi Miyatsuka, MD, PhD

12:30 p.m. - 1:30 p.m. **1801-P Exposure to Traffic-Related Air Pollution Reduces Marker of β-Cell Maturity in Rats**

Presenting Author: Madelynn Tucker, BS

12:30 p.m. - 1:30 p.m. **1802-P Defining Changes in the Composition and Spatial Distribution of Human Pancreatic Cells across Different Diabetes Forms**

Presenting Author: Fan Feng, PhD

12:30 p.m. - 1:30 p.m. **1803-P Deep Learning–Powered Islet and CD3 T Cell Quantification for Type 1 Diabetes Immunohistochemistry**

Presenting Author: Sarah Kim, PhD

12:30 p.m. - 1:30 p.m. **1804-P Beta-Cell Loss with Severe Hyperglycemia Is Responsible for Augmented Notch 1 Expression in the Pancreatic Exocrine Ductal Cells**

Presenting Author: Jan Czyzyk, MD

12:30 p.m. - 1:30 p.m. **1805-P Spasmolytic Polypeptide–Expressing Metaplasia-Like Features of Intraislet Ducts in Zinc-Binding Site–Mutated CRY1-Expressing Diabetic Mice**

Presenting Author: Satoshi Okano, PhD

12:30 p.m. - 1:30 p.m. **1806-P Functional Analysis of NUPR1 in Age-Associated Changes in β-Cell Proliferation and Apoptosis**

Presenting Author: Esther Ong Yajima, Graduate student

12:30 p.m. - 1:30 p.m. **1807-P Elucidation of the Regulatory Mechanism of PPARα in Pancreatic Islet Cell Differentiation Derived from Human iPS Cells**

Presenting Author: Hiroki Yamaguchi, MD

12:30 p.m. - 1:30 p.m. **1808-P STIM1 Interacts with GPER Signaling to Maintain β-Cell Identity in Female Mice**

Presenting Author: Madeline McLaughlin, BS

12:30 p.m. - 1:30 p.m. **1809-P Ultra-high Resolution Imaging Enables Quantification of β-Cell ER**

Presenting Author: Madeline McLaughlin, BS

12:30 p.m. - 1:30 p.m. **1810-P Beta-Cell Extracellular Vesicles—Transfer to and Impact on Neighboring Cells**

Presenting Author: Jerry Xu, PhD

12:30 p.m. - 1:30 p.m. **1811-P Proteomic Analysis Revealed That PERK Inhibitor Restored Nucleocytoplasmic Transport in Human Islets under Glucolipotoxicity**

Presenting Author: Yeonsoo Park, Dr

12:30 p.m. - 1:30 p.m. **1813-P Activation of G12-Signaling in Pancreatic Beta Cells Promotes Insulin Secretion and Improves Glucose Homeostasis**

Presenting Author: Srinivas Pittala, PhD

12:30 p.m. - 1:30 p.m. **1814-P Impact of Glucagon-Like Peptide 1 Receptor (GLP-1R) Agonism on β-Cell Ca^{2+} Dynamics within the Pancreatic Islet In Vivo**

Presenting Author: Luis F. Delgadillo Silva, Doctor

12:30 p.m. - 1:30 p.m. **1815-P The Neuronal Pentraxin Receptor Regulates Cytokine-Induced Apoptosis and PD-L1 Levels in Human Beta Cells via the Glutamine Deprivation Pathway**

Presenting Author: Soumyadeep Sarkar, MS, PhD

12:30 p.m. - 1:30 p.m. **1816-P Dorzagliatin Enhances Alpha–to–Beta Cell Glucagon-Like Peptide 1 Paracrine Signaling to Improve Beta-Cell Function in Type 2 Diabetes**

Presenting Author: Jingcheng Chen, Doctor

12:30 p.m. - 1:30 p.m. **1817-P Human Fatty Pancreas In Vitro Model Reveals Specific Effects on Beta-Cell Function and Incretin Responsiveness in T2D**

Presenting Author: Estela Lorza Gil, PhD

12:30 p.m. - 1:30 p.m. **1818-P SIRT7 Protects β-Cells by Modulating the Epigenetic Effects of NAD+ and Vitamin D**

Presenting Author: Jie Wu, PhD

12:30 p.m. - 1:30 p.m. **1819-P Glypican-4 Deletion in β-Cells Impairs Islet Architecture and HFD-Feeding-Associated Insulin Secretion**

Presenting Author: Lingru Kang, PhD Candidate

12:30 p.m. - 1:30 p.m. **1820-P The Effect of Quinolines on KCNH6 Inhibition and Insulin Secretion**

Presenting Author: Fengran Xiong, MD

12:30 p.m. - 1:30 p.m. **1821-P Coinheritance of HNF1A and Glucokinase Variants in Diabetes—Implications for Functional Assay**

Presenting Author: Jenny Q. Dai-Ju, MD, PhD

12:30 p.m. - 1:30 p.m. **1822-P Overexpression of Acyl-Protein Thioesterase 1 in Pancreatic Islets Preserves Beta-Cell Function**

Presenting Author: Guifang Dong, PhD

12:30 p.m. - 1:30 p.m. **1823-P The Beta-Cell Secretagogue Glyceraldehyde Induces Mitochondrial Leak Respiration, Not OXPHOS**

Presenting Author: Rebecca L. Cardone, MSc

12:30 p.m. - 1:30 p.m. **1824-P Bioenergetic Advantage of Pyruvate Kinase Overcomes Mitochondrial OXPHOS in Beta-Cells to Initiate Insulin Secretion**

Presenting Author: Inma Ruz-Maldonado, PhD

12:30 p.m. - 1:30 p.m. **1825-P Potentiation of Glucose-Stimulated Insulin Secretion by Free Fatty-Acid Receptor 4 Involves Distinct Mechanisms in Mouse vs. Human Islets**
Presenting Author: Laura Reininger, PhD

12:30 p.m. - 1:30 p.m. **1826-P Sarco/Endoplasmic Reticulum Ca2+ ATPase (SERCA2) Dysfunction Contributes to β-Cell Stress and the Development of Chemically Induced Type 1 Diabetes**
Presenting Author: Cameron Rostron, BS

12:30 p.m. - 1:30 p.m. **1827-P Adenylosuccinate Mediates Imeglimin-Induced Proliferative and Antiapoptotic Effects in β-Cells**
Presenting Author: Ryota Inoue, MD, PhD

12:30 p.m. - 1:30 p.m. **1828-P STIM1 Deficiency Impairs Glucose Regulation by Altering Insulin Granules, Mitochondria, and Endoplasmic Reticulum Ultrastructure in Beta Cells**
Presenting Author: Tatsuyoshi Kono, PhD

12:30 p.m. - 1:30 p.m. **1829-P Tomosyn-2 Regulates Beta-Cell Proliferation and Insulin Secretion in Neonatal Islets**
Presenting Author: Sushant Bhatnagar, PhD

12:30 p.m. - 1:30 p.m. **1830-P Elucidating the Role of Reactive Metabolic By-Products as Predictors and Drivers of Type 2 Diabetes**
Presenting Author: Kassandra Lopez, BS

12:30 p.m. - 1:30 p.m. **1831-P Selective Induction of Spliced XBP1 in Pancreatic Islet Beta Cells Causes Reversible Diabetes**
Presenting Author: Yingfeng Deng, PhD

12:30 p.m. - 1:30 p.m. **1832-P SERCA2 Regulates the Lipidome and Insulin Secretion in Pancreatic β-Cells**
Presenting Author: Maryalice Hartley, Bachelor's Degree

12:30 p.m. - 1:30 p.m. **1833-P Effects of Exogenous Somatostatin on Islet Glucose Sensitivity and Pulsatility**
Presenting Author: Benjamin I. Stiadle, BS

12:30 p.m. - 1:30 p.m. **1834-P Modelling of Glucolipotoxicity-Mediated Pancreatic Beta-Cell Dysfunction and Type 2 Diabetes-Relevant Phenotypes Using Endoc-βH5 Human Pancreatic Beta Cells**
Presenting Author: Bruno Blanchi, PhD

12:30 p.m. - 1:30 p.m. **1835-P The Inhibitory Effect of Artemether on Insulin Secretion**
Presenting Author: Jing Lu, Doctor

12:30 p.m. - 1:30 p.m. **1836-P Early Dysregulation of Autophagy and Immune-Mediated β-Cell Dysfunction Contribute to Type 1 Diabetes Pathogenesis in NOD Mice**
Presenting Author: Esmeralda Castelblanco, PhD

12:30 p.m. - 1:30 p.m. **1837-P Short-Term and Long-Term Administration of Berberine Promoted Insulin Exocytosis through Different Mechanism in Pancreatic β-Cells**
Presenting Author: Hao Wang, Dr

12:30 p.m. - 1:30 p.m. **1838-P A Genetically Encoded Reporter for Targeted Glucagon Secretion Studies in Alpha Cells**
Presenting Author: Alessandro Ustione, PhD

12:30 p.m. - 1:30 p.m. **1839-P Intracellular Lipid Droplets Regulate Glucagon Secretion by Primary Human Alpha Cells**
Presenting Author: Katie C. Coate, PhD

12:30 p.m. - 1:30 p.m. **1840-P Pyruvate Kinase Bioenergetically Restricts OXPHOS in Beta Cells and Myotubules by Inducing Mitochondrial Membrane Hyperpolarization**
Presenting Author: Emily A. Davidson, PhD

12:30 p.m. - 1:30 p.m. **1841-P Dynorphin Deletion in β-Cells Enhances β-Cell Identity, Insulin Content, and Insulin Secretion**
Presenting Author: Miranda Movahed, PhD

12:30 p.m. - 1:30 p.m. **1842-P GLP-1 Receptor Agonists Induce Lasting Cyclic-AMP Generation and Insulin Secretion in Beta Cells**
Presenting Author: Michelle Chan, BS

12:30 p.m. - 1:30 p.m. **1843-P Regulator of G Protein Signaling 9 (RGS9) Is a Positive Regulator of Insulin Secretion in Mouse Islets**
Presenting Author: Vincent Poitout, DVM, PhD

12:30 p.m. - 1:30 p.m. **1844-P Cytokines Function to Mediate an Innate Immune/Endocrine Axis**
Presenting Author: Jacob Bartosiak, BS

12:30 p.m. - 1:30 p.m. **1845-P GASP-1–Mediated GLP-1 Receptor Trafficking Contributes to the Development of Tolerance to Incretin Drugs**
Presenting Author: Anirudh Gaur, PhD

12:30 p.m. - 1:30 p.m. **1846-P Human α-Cell Heterogeneity and Trajectory Inference Analyses of Human Islets Reveal SMOC1 as a β-Cell Dedifferentiation Gene**
Presenting Author: Randy Kang, BA in Biology

12:30 p.m. - 1:30 p.m. **1847-P PAMP-Stimulated Cytokine Production Induces Antipathogen Response in β-Cells**
Presenting Author: Katherine Harty, BS

12:30 p.m. - 1:30 p.m. **1848-P HIF1A as a Possible miR-21 Transcriptional Regulator in Proinflammatory Islet Stress**
Presenting Author: Andre G. De Oliveira, PhD

12:30 p.m. - 1:30 p.m. **1849-P Verapamil Inhibits Vascular Adhesion Molecules in Pancreatic Islets**
Presenting Author: Guanlan Xu, PhD

12:30 p.m. - 1:30 p.m. **1851-P AAV Capsid Variant Screen for Building a Scalable Methodology to Modify Human Islet Gene Expression**
Presenting Author: Burcak Yesildag, PhD

12:30 p.m. - 1:30 p.m. **1852-P IRE1α Signaling Is Required for Islet Alpha-Cell Function**
Presenting Author: Wenzhen Zhu, PhD

MONDAY, JUNE 23, 2025

12:30 p.m. - 1:30 p.m.

Session Break

Session Number: SB-03

Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

Room:

12:30 p.m. - 1:30 p.m.	**Session Break (Take this opportunity to visit the Exhibit and Poster Halls)**

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR08-1.5

Novel Insights into the Effects of Glucose-Lowering and Statin Drugs on Development of ASCVD

Room: W185 A-D

Chair(s): Deborah J. Wexler, MD, MSc

1:30 p.m. - 1:45 p.m.	**291-OR Effect of Type 2 Diabetes Characteristics on Semaglutide Treatment in People with Type 2 Diabetes and Peripheral Artery Disease—A Post Hoc Analysis of the STRIDE Trial** Presenting Author: Neda Rasouli, MD
1:45 p.m. - 2:00 p.m.	**292-OR Oral Semaglutide and Cardiovascular Outcomes by Baseline A1C and BMI in People with Type 2 Diabetes in the SOUL Trial** Presenting Author: Silvio E. Inzucchi, MD
2:00 p.m. - 2:15 p.m.	**293-OR The Antistenotic Effect of Liraglutide Is Abolished in Vascular Smooth Muscle Cell-Specific Insulin-Receptor Knockout Mice** Presenting Author: Talha A. Chaudhry, BSc (Hons)
2:15 p.m. - 2:30 p.m.	**294-OR Tirzepatide Prevents Palmitate-Induced Apoptosis, Autophagy, and Senescence in Human Cardiac Progenitor Cells** Presenting Author: Francesco Giorgino, MD, PhD
2:30 p.m. - 2:45 p.m.	**295-OR Cardiovascular Events in Patients Treated with Sulfonylureas—A Target Trial Emulation** Presenting Author: Alexander Turchin, MD, MS
2:45 p.m. - 3:00 p.m.	**296-OR Underutilization of High-Intensity Statin Therapy in Patients with Type 2 Diabetes and Elevated Coronary Artery Inflammation Detected on Coronary CT Angiography** Presenting Author: Bryan Wu, MD

Responsible Committee Member(s): Rita Rastogi Kalyani

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-OR09-1.5

Innovative Strategies in Diabetes Management—Integrating Technology, Personalized Interventions, and Community-Based Approaches

Room: W181 A-C

Chair(s): Amit Shapira, PhD

1:30 p.m. - 1:45 p.m. **297- OR Interactive Virtual Assistant for Health Promotion and Diabetes Care in Older Adults with Diabetes—A Randomized Controlled Trial**
Presenting Author: Lucas S. Matzenbacher, MD

1:45 p.m. - 2:00 p.m. **298-OR Reducing Diabetes Distress Leads to Positive Glycemic Change—Results from the EMBARK Trial**
Presenting Author: Lawrence Fisher, PhD, ABPP

2:00 p.m. - 2:15 p.m. **299-OR Outcomes of Type 1 Diabetes and Life (T1DAL) Behavioral Intervention Pilot Targeting Health-Related Quality of Life (HRQOL)**
Presenting Author: Marisa E. Hilliard, PhD

2:15 p.m. - 2:30 p.m. **300-OR Mechanisms of Behavior Change in Diabetes Prevention—Evidence from a Randomized Trial in Women with a History of Gestational Diabetes**
Presenting Author: Lauren E. Wisk, PhD

2:30 p.m. - 2:45 p.m. **301-OR Findings from a Culturally Adapted Community Health Worker Intervention to Improve Diabetes Management among South Asian Patients in New York City**
Presenting Author: Nadia Islam, PhD

2:45 p.m. - 3:00 p.m. **302-OR Financial Incentives and Nurse Coaching to Enhance Diabetes Outcomes—A Randomized Controlled Trial**
Presenting Author: Leonard E. Egede, MD, MS

Responsible Committee Member(s): Elizabeth Beverly

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR03-1.5

Early Phase, Post Hoc, and Subgroup Analyses from Clinical Trials with Incretin-Based Therapies—Take 2

Room: W183 BC

Chair(s): Carol H. Wysham, MD

1:30 p.m. - 1:45 p.m.	**303- OR Efficacy and Safety of BGM0504 in Chinese Patients with Type 2 Diabetes—A Multicenter, Randomized, Double-Blind, Placebo-Controlled and Semaglutide Positive-Controlled Phase 2 Trial** Presenting Author: Linong Ji, MD
1:45 p.m. - 2:00 p.m.	**304-OR Leveraging Real-World Evidence to Analyze Changes in Prescribing of GLP-1 Receptor Agonists in the United States** Presenting Author: Polina Kukhareva, PhD, MPH, MS, FAMIA
2:00 p.m. - 2:15 p.m.	**305-OR Tirzepatide in Type 1 Diabetes—Safety, Tolerability, and Clinical Outcomes—Real-World Experience from a Large UK Center** Presenting Author: Simon A. Berry, MbChB (Hons), BMedSci (Hons), MRCP (UK)
2:15 p.m. - 2:30 p.m.	**306-OR Mazdutide vs. Placebo as Monotherapy in Patients with Type 2 Diabetes (DREAMS-1)** Presenting Author: Dalong Zhu, MD, PhD
2:30 p.m. - 2:45 p.m.	**307-OR Effect of Oral Small Molecule GLP-1 Receptor Agonist TERN-601 in Healthy Participants with Obesity or Overweight—A First-in-Human Study** Presenting Author: Cara H. Nelson, PhD
2:45 p.m. - 3:00 p.m.	**308-OR Risk of New Cancer Diagnoses with GLP-1 Receptor Agonist, SGLT2 Inhibitor, DPP-4 Inhibitor, and Sulfonylurea Use in Type 2 Diabetes** Presenting Author: Stacey Sklepinski, BA

Responsible Committee Member(s): Rajesh Garg and Leigh Perreault

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR09-1.5

What's New with Automated Insulin Delivery?

Room: W183 A

Chair(s): Laya Ekhlaspour, MD

1:30 p.m. - 1:45 p.m.	**309- OR Improvement in Day and Night Glycemic Outcomes with an AI-Based Fully Closed Loop (FCL) System Compared with Hybrid Closed Loop (HCL) in Adults, Young Adults, and Adolescents with Type 1 Diabetes (T1D)** Presenting Author: Erin C. Cobry, MD
1:45 p.m. - 2:00 p.m.	**310-OR Randomized Controlled Study of Algorithmic CGM-Based Degludec Titration in People with Type 2 Diabetes** Presenting Author: Anas El Fathi, PhD
2:00 p.m. - 2:15 p.m.	**311-OR Adapting Automated Insulin Delivery for Menstrual Cycle Variability in Type 1 Diabetes—Insights from a Combined Quantitative and Qualitative Study** Presenting Author: Martina Rothenbühler, PhD
2:15 p.m. - 2:30 p.m.	**312-OR Real-World Differences in Glycemia According to Automated Insulin Delivery System in Youth with Low Bolus Frequency** Presenting Author: Prerana Chatty, MD
2:30 p.m. - 2:45 p.m.	**313-OR Outpatient Real-World Use of an Automated Insulin Delivery (AID) System That Automatically Doses for Meals Compared with Hybrid Commercial AID Systems** Presenting Author: Leah M. Wilson, MD
2:45 p.m. - 3:00 p.m.	**314-OR Improved Outcomes across Baseline Time-in-Range Levels with the Omnipod 5 AID System Compared with Multiple Daily Injections (MDI) in Type 1 Diabetes (T1D)—Analysis of the RADIANT Study** Presenting Author: Emma G. Wilmot, MD

Responsible Committee Member(s): Halis Akturk, Natalie Bellini, and Priya Prahalad

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR13-1.5

From Screening, Telemonitoring, to Care Coordination—Improving Quality

Room: W187 A-C

Chair(s): Shideh Majidi, MD

1:30 p.m. - 1:45 p.m. **315- OR Effect of Telemonitoring Using Connected Devices on Insulin Injection Adherence in People Living with T2D**
Presenting Author: Thomas Kronborg, PhD, MSc

1:45 p.m. - 2:00 p.m. **316-OR Natriuretic Peptide Screening Predicts Survival Outcomes in Individuals with Diabetes without Known Heart Failure**
Presenting Author: Rodica Pop-Busui, MD, PhD

2:00 p.m. - 2:15 p.m. **317-OR Causes and Consequence of Diabetes Supply Distress—Qualitative Analysis of T1D Exchange Survey Responses**
Presenting Author: Andrew A. Welch, DO

2:15 p.m. - 2:30 p.m. **318-OR The Effectiveness of Care Coordination on Medication Adherence among High-Need, High-Cost Commercially Insured Beneficiaries—A Randomized Controlled Trial**
Presenting Author: O. Kenrik Duru, MD, MSHS

2:30 p.m. - 2:45 p.m. **319-OR Clinical Decision Support System for Insulin Management in a Remote Diabetes Care Model**
Presenting Author: Revital Nimri, MD

2:45 p.m. - 3:00 p.m. **320-OR CGM Initiation prior to Hospital Discharge Is Associated with Improved Glycemic Control and Patient Satisfaction**
Presenting Author: Nadine E. Palermo, DO

Responsible Committee Member(s): Amisha Wallia

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR19-1.5

Mechanistic Insights on Gestational Diabetes and Its Consequences (With ADA Presidents' Select Abstract Presentation)

Room: W180

Chair(s): Sarah Wernimont, MD, PhD

1:30 p.m. - 1:45 p.m.	**321- OR ADA Presidents' Select Abstract: FOXO1 Is Vital for Gestational Beta-Cell Compensation to Protect Against Gestational Diabetes** Presenting Author: Taofeek Usman, PhD
1:45 p.m. - 2:00 p.m.	**322-OR Higher Placental GKN1 Expression Is Associated with Reduced Pregnancy Beta-Cell Function** Presenting Author: Camille E. Powe, MD
2:00 p.m. - 2:15 p.m.	**323-OR Elucidating the Epigenetic Landscape of Hepatic HKDC1 during Pregnancy** Presenting Author: Zeenat Farooq, PhD
2:15 p.m. - 2:30 p.m.	**324-OR Targeting Triglycerides to Prevent Fetal Overgrowth—High Agreement between Plasma and a Portable Triglyceride Meter Similar to a Glucometer** Presenting Author: Sarah S. Farabi, PhD, RN
2:30 p.m. - 2:45 p.m.	**325-OR Gestational Diabetes Mellitus (GDM) Is Associated with Higher Fat Mass (FM) Accretion in Male Infants during Early Postnatal Period** Presenting Author: Ponnusamy Saravanan, PhD, FRCP
2:45 p.m. - 3:00 p.m.	**326-OR Dietary Macronutrient Substitutions Are Associated with Cardiometabolic Benefits in Children Exposed to Gestational Diabetes** Presenting Author: Jasmin M. Alves, PhD

Responsible Committee Member(s): Camille Powe

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY31-1.5

Celebrating NIDDK's 75th Anniversary—Clinical, Translational and Basic Advances, Current Research Priorities and Future Direction

Room: W184 A-D

1:30 p.m. - 1:50 p.m.	**Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications Study—Forty-Year Legacy of Innovative Diabetes Research** Rose Gubitosi-Klug, MD, PhD
1:50 p.m. - 2:10 p.m.	**Today's Reality of Achieving Type 1 Prevention** Jeffrey Krischer, PhD
2:10 p.m. - 2:30 p.m.	**Human Islet Research Network/Human Pancreas Analysis Program—Ten Years of Using Human Cells and Tissues to Better Understand, Model, and Treat Diabetes** Klaus H. Kaestner, PhD, MS
2:30 p.m. - 2:50 p.m.	**NIDDK's Current Research Priorities and Future Directions** William T. Cefalu, MD
2:50 p.m. - 3:00 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY43-1.5

Once-Monthly MariTide for the Treatment of Obesity in People with or without Type 2 Diabetes—A 52-Week Phase 2 Study

Room: W375 A

Chair(s): Melanie J. Davies, CBE, MB, ChB, MD, FRCP, FRCGP, FMedSci

1:30 p.m. - 1:40 p.m.	**MariTide & Mother Nature—Rationale for the Long-acting Peptide-antibody Conjugate Molecule, Combining GLP-1 Agonism and GIP Receptor Antagonism** Randy J. Seeley, PhD
1:40 p.m. - 2:00 p.m.	**MariTide Phase 2 Study—Participants with Obesity** Ania M. Jastreboff, MD, PhD
2:00 p.m. - 2:20 p.m.	**MariTide Phase 2 Study—Participants with Obesity and Type 2 Diabetes** Harold Bays, MD
2:20 p.m. - 2:35 p.m.	**Optimizing Dose Escalation Improved Tolerability—Advancing into MARITIME Phase 3** Donna H. Ryan, MD
2:35 p.m. - 2:45 p.m.	**Potential Impact of MariTide on the Treatment of Obesity and Type 2 Diabetes** Julio Rosenstock, MD
2:45 p.m. - 3:00 p.m.	**Panel Discussion**

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR02-1.5

Diabetes and Heart Talk

Room: W186 A-C

Chair(s): Michael P. Bancks, PhD, MPH

1:30 p.m. - 1:45 p.m.	**327- OR A Multistate Analysis of Cardiovascular, Renal, and Neuropsychiatric Outcomes in Patients with Type 1 and Type 2 Diabetes Using Two Independent Nationwide Cohorts** Presenting Author: Seohyun Kim, PhD
1:45 p.m. - 2:00 p.m.	**328-OR Impact of Diabetes and Chemotherapy on Cardiovascular Outcomes in Breast Cancer Survivors—A Population-Based Study** Presenting Author: Amanda Leiter, MD, MSCR
2:00 p.m. - 2:15 p.m.	**329-OR Cardiovascular Effectiveness of SGLT2i and GLP-1RA vs. Sulfonylureas by Socioeconomic Status—Analysis of U.S. and UK Health Care Systems** Presenting Author: Phyo T. Htoo, MD, PhD
2:15 p.m. - 2:30 p.m.	**330-OR Enhancing Cardiovascular Disease (CVD) Risk Prediction Using Metabolic Profiling in the UK Biobank—Pooled Cohort Equations vs. Retinal Imaging Based Dr. Noon CVD** Presenting Author: Sahil Thakur, MBBS, MS, PhD
2:30 p.m. - 2:45 p.m.	**331-OR Modelling the Legacy Effect of Glycaemic Exposure on Long-Term Cardiovascular Disease in Newly Diagnosed Type 2 Diabetes** Presenting Author: Xinge Zhang, PhD
2:45 p.m. - 3:00 p.m.	**332-OR Social Isolation and Loneliness and Stroke Risk in Men and Women with Diabetes** Presenting Author: Xiu Wu, PhD

Responsible Committee Member(s): Sagar Dugani

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR05-1.5

Genetics of Type 2 Diabetes—Exploring Risk, Comorbidities, and Treatment Responses

Room: W190 A

Chair(s): Richard M. Watanabe, PhD

1:30 p.m. - 1:45 p.m.	**333-OR Genetic Variants Associated with Weight Change in Response to Glucose-Lowering Medications—Results from the GRADE Study** Presenting Author: Lukasz Szczerbinski, MD, PhD
1:45 p.m. - 2:00 p.m.	**334-OR Comparison of T2D Genetic Clusters Highlights Robustness across Clustering Approaches** Presenting Author: Kirk Smith, MSc
2:00 p.m. - 2:15 p.m.	**335-OR Polygenic Score Predicts Faster Kidney Function Decline in Individuals with and without Diabetes** Presenting Author: Yeeun Jo, BS
2:15 p.m. - 2:30 p.m.	**336-OR Diabetogenic Processes for Increased Insulin Resistance with Concomitant Hyperinsulinemia Are Associated with Increased Colorectal Cancer Risk** Presenting Author: Xuan Zhou, PhD
2:30 p.m. - 2:45 p.m.	**337-OR Associations of Polygenic Risk Scores for Type 2 Diabetes with Metabolic Measures in Pacific Islanders from Guam and Saipan** Presenting Author: Maria J. Ramirez-Luzuriaga, MSc, PhD
2:45 p.m. - 3:00 p.m.	**338-OR Loss of LAMA4 as a Novel Causative Defect for Lipodystrophy** Presenting Author: Yanislava Karusheva, MD

Responsible Committee Member(s): Cassandra Spracklen

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR04-1.5

Transcriptional and Posttranslational Mechanisms in Metabolic Control

Room: W196 A

Chair(s): Yihui Shen, PhD

1:30 p.m. - 1:45 p.m.	**339-OR UNC119B: A Novel Target for the Treatment of Type 2 Diabetes** Presenting Author: Ayushi Mittal, BS
1:45 p.m. - 2:00 p.m.	**340-OR Posttranslational Modification of Adipose Tissue Aging and Metabolic Dysregulation by the Methyltransferase SETD2** Presenting Author: Aoyuan Cui, PhD
2:00 p.m. - 2:15 p.m.	**341-OR PLA2G7 Governs Adipocyte Hypertrophy and Metabolic Regulation through HIF1α/Glycolysis/Adipogenesis Pathway** Presenting Author: Jiangfei Zheng, PhD
2:15 p.m. - 2:30 p.m.	**342-OR Cell-State Dependent Regulation of PPARγ Signaling by the Transcription Factor ZBTB9 in Adipocytes** Presenting Author: David Buchner, PhD
2:30 p.m. - 2:45 p.m.	**343-OR The Mitochondrial Protein OPA1 Governs Preadipocyte Proliferation and Metabolic Homeostasis through Ca2+ Mechanical Force/Glycolysis Pathway** Presenting Author: Yuxin Shu, PhD
2:45 p.m. - 3:00 p.m.	**344-OR Understanding the Dynamic Roles of Ketone Body Metabolism of Mesenchymal Stromal Cells in the Regulation of Adipose Tissue Inflammation and Insulin Resistance** Presenting Author: Injae Hwang, PhD

Responsible Committee Member(s): Katrin Svensson and Paul Titchenell

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR03-1.5

Beta-Cell Stimulus-Secretion Coupling and Metabolism—Novel Pathways Affecting Islet Hormone Secretion

Room: W194 AB

Chair(s): Sushant Bhatnagar, PhD

1:30 p.m. - 1:45 p.m. **351-OR Plasticity in Proglucagon Processing and Secretion by Alpha Cells**

Presenting Author: Canqi Cui, PhD

1:45 p.m. - 2:00 p.m. **352-OR GABA Modulates Pancreatic Beta-Cell Function through Ca2+ Signaling**

Presenting Author: Sandra Mara Ferreira, PhD

2:00 p.m. - 2:15 p.m. **353-OR Silencing of Mitochondrial Transaminase GPT2 in β-Cells Enhances Response to Antidiabetic Incretins**

Presenting Author: Sabyasachi Sen, PhD

2:15 p.m. - 2:30 p.m. **354-OR Differential Mirroring between In Vivo Insulin Secretion and Ex Vivo Islet Function in Humans with and without Diabetes**

Presenting Author: Gianfranco Di Giuseppe, MD

2:30 p.m. - 2:45 p.m. **355-OR Deletion of 4E-BP1 in α-Cells Reduces Mass and Impairs Glucagon Secretion**

Presenting Author: Amanda F. Neves, PhD

2:45 p.m. - 3:00 p.m. **356-OR IL-1 and IL-6 Impair Proinsulin Maturation in Aging Mice via Downregulation of Prohormone Convertases**

Presenting Author: Kleopatra Sifoniou, MSc of Science in Infection Biology

Responsible Committee Member(s): Alejandro Caicedo, Manami Hara, and Teresa Mastracci

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-OR03-1.5

Exploring Alternative Strategies to Stem Cell–Derived Beta Cells and Insights from Autologous Islet Transplantation

Room: W196 BC

Chair(s): Eddie A. James, PhD

1:30 p.m. - 1:45 p.m.	**345-OR Recombinant AAV-Mediated Gene Therapy for the Treatment of Streptozotocin-Induced Diabetes in Nonhuman Primates** Presenting Author: Hannah N. Rinehardt, MD
1:45 p.m. - 2:00 p.m.	**346-OR Pharmacologic Stimulation of Insulin Granule Acidification Increases β-Cell Zinc and Augments β-Cell-Targeted Drug Delivery** Presenting Author: Sooyeon Lee, PhD
2:00 p.m. - 2:15 p.m.	**347-OR ILV-001, a Myokine of Interest to Potentiate the Success of Pancreatic Islet Transplantation and Treat a Maximum Number of People with T1DM** Presenting Author: Allan Langlois, PhD
2:15 p.m. - 2:30 p.m.	**348-OR Diabetes Induces Complex Dysfunction of Intrinsic Mesenchymal Stem Cells That Can Be Repaired by Healthy Mesenchymal Stem Cells** Presenting Author: Anna Gooch, PhD
2:30 p.m. - 2:45 p.m.	**349-OR Type 2 and Type 3C Diabetes Are Not Contraindications for Total Pancreatectomy with Islet Autotransplantation** Presenting Author: Mazhar A. Kanak, PhD
2:45 p.m. - 3:00 p.m.	**350-OR Role of Type 1 and Type 2 Diabetes Genetics in Diabetes Outcomes after Islet Autotransplantation** Presenting Author: Taylor M. Triolo, MD

Responsible Committee Member(s): Holger Russ

MONDAY, JUNE 23, 2025

1:30 p.m. - 3:00 p.m.

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR05-1.5

Fueling the Body—The Complex Interplay of Sugar, Fat, and Protein

Room: W192 A-C

Chair(s): Andrea D. Coviello, MD, MSc

1:30 p.m. - 1:45 p.m. **357- OR Excessive Dietary N-6 Polyunsaturated Fatty Acids in Obese Patients Drive Lgr5+ Cell–Derived Gastric Mucosal Spasmolytic Polypeptide-Expressing Metaplasia**
Presenting Author: Xin Wen, Master's Degree

1:45 p.m. - 2:00 p.m. **358-OR Acute Fatty Acid Elevation Does Not Alter Brain Glucose Uptake in Humans**
Presenting Author: Brooke C. Matson, MD, PhD

2:00 p.m. - 2:15 p.m. **359-OR Effect of GLP-1 Receptor Antagonism or Incretin Enhancer on Ad-Libitum Energy Intake in Subjects with and without Bariatric Surgery**
Presenting Author: Giuseppe Della Pepa, MD

2:15 p.m. - 2:30 p.m. **360-OR Mixed Meals Containing Complex Carbohydrates Improves Insulin Sensitivity and Disposition Index in Type 2 Diabetes—Mechanistic Insights Using Minimal Model Analyses**
Presenting Author: Uma S. Unni, PhD

2:30 p.m. - 2:45 p.m. **361-OR The Alpha-Cell Response to Hyperglycemia Is Modulated by Circulating Amino Acid Concentrations in the Presence of Obesity and Hepatic Fat**
Presenting Author: Sneha Mohan, MBBS

2:45 p.m. - 3:00 p.m. **362-OR Morning Elevation in Insulin Enhances Afternoon Postprandial Insulin Action and Glucose Effectiveness**
Presenting Author: Hannah L. Waterman, BS

Responsible Committee Member(s): Janice Hwang

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY03-1

Metabolic Regulations of Early Worsening and Protection from Diabetic Eye Disease

Room: W180

Chair(s): Lloyd P. Aiello, MD, PhD

3:15 p.m. - 3:30 p.m.	**Role of GLP-1 Agonists in Diabetic Retinopathy Worsening and the Focus Trial** Lloyd Paul Aiello, MD, PhD
3:30 p.m. - 3:45 p.m.	**Early Worsening of Diabetic Retinopathy with Intensive Metabolic Control—Insights and Outcomes** David Matthews, MA, DPhil, FRCP
3:45 p.m. - 4:00 p.m.	**The Science of Diabetic Retinopathy—Mechanisms of Early Worsening and Protective Pathways** George King, MD
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Paolo S. Silva

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY04-1

The Elephant in the Room—How to Address Hypertriglyceridemia in Diabetes?

Room: W185 A-D

3:15 p.m. - 3:30 p.m.	**Genetics of Hypertriglyceridemia and CVD Risk** Zahid Ahmad
3:30 p.m. - 3:45 p.m.	**Hypertriglyceridemia-Induced Acute Pancreatitis** Robert Rosenson, MD
3:45 p.m. - 4:00 p.m.	**New Therapies for Severe Hypertriglyceridemia** Savitha Subramanian, MD
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Laura den Hartigh

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY12-1

Cardiovascular Complications of Long Term Diabetes—Type 1 vs. Type 2

Room: W181 A-C

Chair(s): Teresa L. Z. Jones, MD; Mark A. Atkinson, PhD

3:15 p.m. - 3:30 p.m.	**Getting Type 1 Diabetes Out from the Shadow of Type 2 Diabetes** Robert H. Eckel, MD
3:30 p.m. - 3:45 p.m.	**The Pathogenic Basis of Cardiovascular Disease in Type 1 Diabetes vs. Type 2 Diabetes** Silvio Litovsky, MD
3:45 p.m. - 4:00 p.m.	**The Pathogenic Basis of Kidney Disease in Type 1 Diabetes vs. Type 2 Diabetes** Anand Srivastava, MD, MPH
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Debate

Theme Area: Behavioral Medicine/Clinical Nutrition/Education and Exercise

Session Number: BM-DB01-1

"Food Is Medicine"—Is It a Solution or a Convenient Fix to a Complicated Problem?

Room: W183 A

3:15 p.m. - 3:30 p.m.	**Yes, the Time to Implement “Food Is Medicine” Is Now** Robert Ostfeld, MD, MS
3:30 p.m. - 3:45 p.m.	**Not Quite—Let’s Discuss Other Ways to Connect Food and Health** Alyssa Moran, ScD, MPH, RD
3:45 p.m. - 3:50 p.m.	**Rebuttal—Yes, the Time to Implement “Food Is Medicine” Is Now** Robert Ostfeld, MD, MS
3:50 p.m. - 3:55 p.m.	**Rebuttal—Not Quite—Let’s Discuss Other Ways to Connect Food and Health** Alyssa Moran, ScD, MPH, RD
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Gretchen Benson

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Ask the Expert

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-AE01-1

Is There Still a Place for Bariatric Surgery?

Room: W184 A-D

Chair(s): Cyrus Desouza, MBBS

3:15 p.m. - 3:35 p.m.	**Yes** Ali Aminian, MD, FACS, FASMBS
3:35 p.m. - 3:55 p.m.	**No** Neda Rasouli, MD
3:55 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Leigh Perreault and Rajesh Garg

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY12-1

Trending Topics and Smart Solutions in Pediatric Diabetes

Room: W183 BC

Chair(s): Jamie R. Wood, MD

3:15 p.m. - 3:30 p.m.	**What Is New in Atypical Diabetes?** Mustafa Tosur, MD, FAAP
3:30 p.m. - 3:45 p.m.	**Physical Activity Promotion in Youth with Diabetes—What Have We Learnt from Clinical Trials?** Dessi Zaharieva, PhD, CEP, CDCES
3:45 p.m. - 4:00 p.m.	**Virtual Peer Groups and Shared Medical Appointments to Support Adolescents and Young Adults with Diabetes** Jenise C. Wong, MD, PhD
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Eda Cengiz

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY14-1

Impact of Large-Scale Natural Experiments in Diabetes from the NEXT-D3 Research Network

Room: W187 A-C

Chair(s): O. Kenrik Duru, MD, MSHS

3:15 p.m. - 3:30 p.m.	**Impact of Health Insurance on Diabetes Health Care Utilization and Health—Evidence from Medicaid Expansion in Wisconsin/Midwest** Bernard Black
3:30 p.m. - 3:45 p.m.	**Long-Term Effect of Reduced Out-of-Pocket Costs on Diabetes Health Outcomes** J. Frank Wharam, MD, MPH
3:45 p.m. - 4:00 p.m.	**Sugar-Sweetened Beverage Taxes and Perinatal Health—A Quasi-experimental Study** Kaitlyn Jackson, MPH
4:00 p.m. - 4:15 p.m.	**Impact of Health Insurance Churning on Diabetes Outcomes** Nathalie Huguet, PhD

Responsible Committee Member(s): Amisha Wallia

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY28-1

Treatment of Hypercortisolism in People with Difficult-to-Control Type 2 Diabetes—Final Results of the CATALYST Trial

Room: W375 A

Chair(s): Richard E. Pratley, MD

3:15 p.m. - 3:30 p.m.	**Expanding Evidence for the Impact of Hypercortisolism on People with Difficult-to-Control Type 2 Diabetes** Ralph A. DeFronzo, MD
3:30 p.m. - 3:45 p.m.	**Rationale and Design of the CATALYST Trial** Vanita R. Aroda, MD
3:45 p.m. - 4:00 p.m.	**Final Results of the CATALYST Trial** Vivian Fonseca, MD
4:00 p.m. - 4:15 p.m.	**Implications—A New Paradigm for Understanding and Treating Type 2 Diabetes** John B. Buse, MD, PhD

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY29-1

ADJUnct Semaglutide Treatment in Type 1 Diabetes (ADJUST-T1D) Trial Outcomes

Room: W196 BC

Chair(s): Davida F. Kruger, MSN, APN-BC, BC-ADM

3:15 p.m. - 3:30 p.m.	**Rationale and Study Design** Halis K. Akturk, MD
3:30 p.m. - 3:40 p.m.	**Primary and Key Secondary Outcomes and Statistical Analysis Plan** Janet K. Snell-Bergeon, PhD, MPH
3:40 p.m. - 3:55 p.m.	**Results (Primary and Key Secondary Outcomes)** Viral N. Shah, MD
3:55 p.m. - 4:00 p.m.	**Breakthrough T1D Perspective** Courtney Ackeifi, PhD
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Panel Discussion

Theme Area: Epidemiology/Genetics

Session Number: EG-PN01-1

Decoding Diabetes—AI-Driven Advances in Genetic Research

Room: W192 A-C

Chair(s): Soo Heon Kwak, MD, PhD

3:15 p.m. - 3:35 p.m.	**Diabetes Disease Modeling in the Era of AI** Wei Wang
3:35 p.m. - 3:55 p.m.	**AI-Enhanced Integration Multiomic Data to Assess for Risk of Diabetes** Jie Liu
3:55 p.m. - 4:15 p.m.	**Panel Discussion**

Responsible Committee Member(s): Cassandra Spracklen

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Epidemiology/Genetics

Session Number: EG-SY06-1

Heterogeneity of Diabetes—New Initiatives from NIDDK

Room: W186 A-C

Chair(s): Norann A. Zaghloul, PhD

3:15 p.m. - 3:35 p.m.	**Heterogeneity, Lifestyle and Behavior, and Interventions** Michael Bancks, PhD, MPH
3:35 p.m. - 3:55 p.m.	**Multiscale Phenotyping to Identify and Manage Metabolic Heterogeneity** Claudia Langenberg, MD, PhD
3:55 p.m. - 4:15 p.m.	**Panel Discussion**

MONDAY, JUNE 23, 2025

3:15 p.m. - 4:15 p.m.

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY05-1

Integrating Obesity Pathogenesis into Policy

Room: W190 A

3:15 p.m. - 3:30 p.m.	**Evidence That Obesogens Are Risk Factors for Obesity and Resultant Policies** Ana Navas-Acien, MD, PhD
3:30 p.m. - 3:45 p.m.	**Obesity Pathogenesis to Treatment to Policy** Fatima Cody Stanford, MD, MPH, MPA, MBA, MACP, FAAP, FAHA, FAM
3:45 p.m. - 4:00 p.m.	**Should Public Policy Differ by Genetic Background?** John Speakman, PhD, DSc
4:00 p.m. - 4:15 p.m.	**Question and Discussion Period**

Responsible Committee Member(s): Ellen Schur and Rebecca Haeusler