



**84<sup>TH</sup> SCIENTIFIC  
SESSIONS**

# Program Information

June 21-24, 2024





## PROGRAM INFORMATION

**84<sup>th</sup> Scientific Sessions**

**June 21-24, 2024**

**Orange County Convention Center**

**Orlando, Florida**

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

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FRIDAY, JUNE 21, 2024

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**Scientific Sessions  
10:30 a.m.-11:30 a.m.**

**Special Lectures and Addresses**

Session Number: WP-01-1

**Welcome to the 84<sup>th</sup> ADA Scientific Sessions—Keynote Address by Robert M. Califf, MD and Panel Discussion** (*Includes Livestream*)

Room: West Hall B3-4 (General Session)

Chair: Robert A. Gabbay, MD, PhD

10:30 a.m.-10:35 a.m. *Introduction*

Charles Henderson

10:36 a.m.-10:40 a.m. *Welcome to the 84<sup>th</sup> ADA Scientific Sessions!*

Robert A. Gabbay, MD, PhD

10:40 a.m.-11:10 a.m. *Keynote Address—TBD*

Robert M. Califf, MD

11:10 a.m.-11:30 a.m. *Panel Discussion*

Alice Y.Y Cheng, MD, FRCPC

Robert M. Califf, MD

Christopher S. Holliday, PhD, MPH, MA, FACHE

Griffin Rodgers, MD, MACP

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

**Pathway Symposium**

Session Number: PTH-01-1

**“Pathway to Stop Diabetes”** (*Includes Livestream*)

Room: West Hall B3-4 (General Session)

Chair: Robert A. Gabbay, MD, PhD

11:40 a.m.-11:48 a.m. *Introduction*

Robert A. Gabbay, MD, PhD

11:48 a.m.-11:56 a.m. *“Pathway to Stop Diabetes”—TBD*

Kathleen A. Page, MD

11:56 a.m.-12:02 p.m. *“Pathway to Stop Diabetes”—TBD*

Paul Cohen, MD, PhD

12:02 p.m.-12:11 p.m. *“Pathway to Stop Diabetes”—TBD*

Debora Sobreira, PhD

12:11 p.m.-12:15 p.m. *Closing Remarks*

Marlon Pragnell, PhD

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

**Debate**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-DB01-1

**Race and Ethnicity-Based Cut Points in Diabetes Screening and Diagnosis—Benefit or Harm for Reducing Disparities?** *(Includes Livestream)*

Room: W320 (Chapin Theater)

Chair: TBD

- 12:45 p.m.-1:00 p.m. *Using Race and Ethnicity-Based Cut Points Has the Potential to REDUCE Health Disparities in the Diagnosis of Diabetes*  
Quyen Ngo-Metzger, MD, MPH
- 1:00 p.m.-1:15 p.m. *Using Race and Ethnicity-Based Cut Points Has the Potential to INCREASE Health Disparities in the Diagnosis of Diabetes*  
Jessica Cerdeña, MD, PhD
- 1:15 p.m.-1:25 p.m. *Rebuttal*  
Quyen Ngo-Metzger, MD, MPH
- 1:25 p.m.-1:35 p.m. *Rebuttal*  
Jessica Cerdeña, MD, PhD
- 1:35 p.m.-1:45 p.m. *Question and Discussion Period*

**Debate**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-DB01-1

**Setting the Record Straight—Does SARS-CoV-2 Cause Type 1 Diabetes?** *(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Mark A. Atkinson, PhD

- 12:45 p.m.-1:00 p.m. *SARS-CoV-2 Infects Human Beta Cells and Compromises Beta-Cell Function*  
Peter K. Jackson, PhD
- 1:00 p.m.-1:15 p.m. *Infection Does Not Equal Causation—Unraveling the Complicated Relationship Between SARS-CoV-2 and Diabetes*  
Carmella Evans-Molina, MD, PhD
- 1:15 p.m.-1:20 p.m. *Rebuttal*  
Peter K. Jackson, PhD
- 1:20 p.m.-1:25 p.m. *Rebuttal*  
Carmella Evans-Molina, MD, PhD
- 1:25 p.m.-1:45 p.m. *Question and Discussion Period*

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR06-1

**Multiorgan Cross Talk in Lipid Metabolism**

Room: W206

Chair: Rebecca Haeusler, PhD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR11-1

**Metabolic Pathways to Protection—Innovative Approaches in Diabetes-Induced Kidney Disease**

Room: W207

Chair: Kalie L. Tommerdahl, MD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR13-1

**Innovative Approaches in Diagnosing and Managing Diabetic Neuropathy (With ADA Presidents' Select Abstract Presentation)** *(Includes Livestream)*

Room: W307

Chair: Kara R. Mizokami-Stout, MD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR15-1

**Innovations in Diabetic Eye Care—Advancements, Therapeutic Strategies, and Disease Associations**

Room: W208

Chair: Renu A. Kowluru, MS, PhD



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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR04-1

**Exploring the Impact of Food/Food Additives on Insulin Sensitivity and Postprandial Glucose  
(With ADA Presidents' Select Abstract Presentation)**

Room: W315

Chair: Lorena Drago, MS, RDN, CDN, CDCES

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR06-1

**Tools for Health Care Professionals That Assist in Personalizing Care**

Room: W314

Chair: Curtis L. Triplett, PharmD, CDCES

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR08-1

**Back to the Basics (Sciences) of Exercise and Diabetes**

Room: W304 E-H

Chair: John R. Ussher, PhD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR03-1

**Practicable Methods to Improve Metabolic Parameters**

Room: W311

Chair: Michael J. Haller, MD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR11-1

**Diabetes Potpourri**

Room: W415C (Valencia Ballroom)

Chair: Tamara Spaic, MD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR16-1

**New Technology—The Inpatient Setting** *(Includes Livestream)*

Room: W414

Chair: Jayachidambaram Ambalavanan, MD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR05-1

**Secreted Factors and Insulin Action**

Room: W304 A-D

Chair: Phillip J. White, PhD

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12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR06-1

**New Frontier in Immunometabolism**

Room: W308

Chair: Pingwen Xu, PhD



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

**Ask the Expert**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-AE14-1.5

**How Will Artificial Intelligence Change Diabetes Clinical Practice?** *(Includes Livestream)*

Room: W320 (Chapin Theater)

Chair: Edward C. Chao, DO

2:00 p.m.-2:20 p.m.     *Artificial Intelligence in Health Care and the Future of Diabetes Data Science*

Boris Kovatchev, PhD

2:20 p.m.-2:40 p.m.     *Artificial Intelligence and the Future of Diabetes Devices*

Peter G. Jacobs, PhD

2:40 p.m.-3:00 p.m.     *Artificial Intelligence and the Future of the Multidisciplinary Team*

Mudassir M. Rashid, PhD

3:00 p.m.-3:30 p.m.     *Question and Discussion Period*

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR10-1.5

**Emerging Molecular Mechanisms of ASCVD Progression in Cardiometabolic Disease (With Edwin Bierman Award Lecture) *(Includes Livestream)***

Room: W307

Chair: Helmy Siragy, MD

2:00 p.m.-2:30 p.m.  
**Edwin Bierman Award Lecture**

*Diabetes and Cardiovascular Disease—The Evolution of CV Outcomes Assessment of Antihyperglycemic Medications*

Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR03-1.5

**Exploring Dimensions of Diversity in Diabetes Distress (With Richard R. Rubin Award Lecture)**

*(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Elizabeth Beverly, PhD

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

**Richard R. Rubin Award Lecture**

*Richard R. Rubin Award Lecture— Life Lessons and Diabetes Research*

Paula M. Trief, PhD

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR01-1.5

**Screening for and Delaying Vascular Complications**

Room: W315

Chair: Mohammed K. Ali, MD, MSc, MBA

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR04-1.5

**Novel Insights from CGM Use during Pregnancy**

Room: W208

Chair: Amy M. Valent, DO, MCR

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR07-1.5

**New Approaches to Prevent or Reverse Diabetes**

Room: W415C (Valencia Ballroom)

Chair: Catherine Kim, MD, MPH

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR13-1.5

**New Technology—What's New? (With ADA Presidents' Select Abstract Presentation)**

Room: W311

Chair: Chlodys Johnstone, PA-C

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR01-1.5

**Diabetes and the Liver—A Canary in the Coal Mine**

Room: W207

Chair: Justin Echouffo Tcheugui, MD, PhD



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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR01-1.5

**Adipocyte Differentiation and Function**

Room: W308

Chair: Katrin Svensson, PhD

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-OR01-1.5

**Immune Features of Immune Therapy and Evolution—Fickle or Fixed?**

Room: W304 A-D

Chair: Cate Speake, PhD

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR01-1.5

**Fueling the Fire—Islet Stimulus–Secretion Coupling**

Room: W206

Chair: Yumi Imai, MD

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR01-1.5

**Actions of Incretins in the Brain and Beyond** (*Includes Livestream*)

Room: W414

Chair: Daisy Duan, MD

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2:00 p.m.-3:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR05-1.5

**Emerging New Players in Metabolic Regulation**

Room: W314

Chair: Meilian Liu, PhD

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

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY01-1.5

**Systemic Medications for Diabetic Retinopathy—Protective and Risk Factors**

Room: W208

Chair: Thomas W. Gardner, MD, MS

3:45 p.m.-3:55 p.m. *Introduction*

3:55 p.m.-4:15 p.m. *The Effect of Fenofibrate on Progression of Diabetic Retinopathy—Results from the LENS Trial*

David Preiss, MBChB, MRCP, FRCPath, PhD

4:15 p.m.-4:30 p.m. *Role of Systemic Pharmacotherapy in the Prevention and Management of Diabetic Macular Edema*

Andrew J. Barkmeier, MD

4:30 p.m.-4:45 p.m. *The FAME 1 Eye Trial*

Alicia Jenkins, MBBS, MD, FRACP, FRCP

4:45 p.m.-5:00 p.m. *GLP-1 Receptor Agonist and Diabetic Retinopathy Worsening*

Satish K. Garg, MD

5:00 p.m.-5:15 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY07-1.5

**Sex and Gender Dimorphism in Cardiovascular Disease Risk in Diabetes**

Room: W308

Chair: Wendy L. Bennett, MD, MPH

3:45 p.m.-4:05 p.m. *Sex and Gender-Specific Cardiovascular Disease Risk Factors*

Martha Gulati, MD

4:05 p.m.-4:25 p.m. *Is High-Density Lipoprotein a Risk Factor for Men?*

Ernst J. Schaefer, MD

4:25 p.m.-4:45 p.m. *Impact of Biological and Chromosomal Sex on Postprandial Lipid Metabolism*

Karen Reue, PhD

4:45 p.m.-5:05 p.m. *Sex Differences in Lipoprotein Metabolism*

John M. Stafford, MD, PhD

5:05 p.m.-5:15 p.m. *Question and Discussion Period*

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3:45 p.m.-5:15 p.m.  
(continued)

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY17-1.5

**Joint ADA/Centers for Disease Control and Prevention Symposium—Pressure Points and Future Directions in the Prevention of Acute and Chronic Diabetes-Related Complications**  
(Includes Livestream)

Room: W307

Co-Chairs: Christopher S. Holliday, PhD, MPH, MA, FACHE and Steven E. Kahn, MB, ChB

3:45 p.m.-4:05 p.m. *Trends and Inequalities in Diabetes-Related Complications among U.S. Adults with Diabetes, 2000–2020*

Ryan Saelee, MPH, PhD

4:05 p.m.-4:25 p.m. *Ameliorating Care Fragmentation to Prevent Diabetes-Related Microvascular Complications*

Francisco J. Pasquel, MD, MPH

4:25 p.m.-4:45 p.m. *Advancing Cardiometabolic Health and Reducing Cardiovascular Risk in Diabetes through Academic–Community–Government–Industry Partnerships*

Joshua J. Joseph, MD, MPH, FAHA

4:45 p.m.-4:55 p.m. *Discussant*

Shivani A. Patel, PhD

4:55 p.m.-5:15 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY05-1.5

**Consensus or Controversy? Hot Topics in Nutrition 2024**

Room: W314

Chair: Holly J. Willis, PhD, RDN, CDCES

3:45 p.m.-4:05 p.m. *The WHO Said WHAT? Use of Nonnutritive Sweeteners for Weight Management, Prediabetes, and Diabetes*

Katherine Appleton, PhD, RD

4:05 p.m.-4:25 p.m. *Does the Gut Rule? Influence of the Microbiome on Diabetes and Obesity*

Abby Johnson, PhD, RD

4:25 p.m.-4:45 p.m. *Counting Calories or Counting the Hours—Time-Restricted Eating*

Krista Varaday, PhD

4:45 p.m.-5:05 p.m. *Protein Quantity, Quality, and Timing for Weight Management and Glycemia*

Alpana Shukla, MD

5:05 p.m.-5:15 p.m. *Question and Discussion Period*

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3:45 p.m.-5:15 p.m.  
(continued)

**Case Studies**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-CS12-1.5

**New Tools, Old Approaches—Rethinking Glucose Monitoring in Real-Life Settings**

Room: W311

Chair: Natalie J. Bellini, DNP, FNP-BC, BC-ADM

3:45 p.m.-4:05 p.m. *The Time Was Yesterday—Continuous Glucose Monitoring (CGM) in the Inpatient Setting*

Eileen R. Faulds, PhD, RN, FNP-BC, CDCES

4:05 p.m.-4:25 p.m. *Classroom or Clinic? Continuous Glucose Monitoring (CGM) in the School Setting*

Christine March, MD, MS

4:25 p.m.-4:45 p.m. *Let Campers (and Counselors) Sleep! Remote Glucose Monitoring at Camp*

Jamie R. Wood, MD

4:45 p.m.-5:05 p.m. *Continuous Glucose Monitoring (CGM) in Long-Term Care Facilities*

Medha Munshi, MD

5:05 p.m.-5:15 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY08-1.5

**Important Safety Information—Off-Target Effects of New Therapies for Diabetes (Includes Livestream)**

Room: W414

Chair: Steve Nissen, MD

3:45 p.m.-4:05 p.m. *GLP-1 Receptor Agonists*

Tina Vilsbøll, MD, DMSc

4:05 p.m.-4:25 p.m. *SGLT2 Inhibitors*

Ronald M. Goldenberg, MD, FRCPC, FACE

4:25 p.m.-4:45 p.m. *New Insulin Formulations*

Anne L. Peters, MD

4:45 p.m.-5:05 p.m. *Fixed-Ratio Insulin Combinations*

Liana K. Billings, MD, MMSc

5:05 p.m.-5:15 p.m. *Question and Discussion Period*



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3:45 p.m.-5:15 p.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY33-1.5

**Standards of Care 2024 Updates and Cost of Diabetes in United States**

Room: W315

Chair: Nuha El Sayed, MD, MMSc

3:45 p.m.-4:30 p.m. *Team-Based Care*

Nuha El Sayed, MD, MMSc  
Jason L. Gaglia, MD, MMSc  
Grazia Aleppo, MD, FACE, FACP  
Dennis Bruemmer, MD, PhD  
Ildiko Lingvay, MD, MPH, MSCS  
Nicola Napoli, MD, PhD

4:30 p.m.-4:45 p.m. *Economic Costs of Diabetes in the United States*

Nuha El Sayed, MD, MMSc  
Raveendhara Bannuru, MD, PhD, FAGE

4:45 p.m.-5:15 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY49-1.5

**SURMOUNT-OSA Trial Results and Potential Role of Tirzepatide in Treating Obesity-Related Obstructive Sleep Apnea (Includes Livestream)**

Room: W320 (Chapin Theater)

Co-Chairs: Ania M. Jastreboff, MD, PhD and Atul Malhotra, MD

3:45 p.m.-4:00 p.m. *Cardiometabolic Consequences of OSA—Towards Personalized Treatment*  
Esra Tasali, MD

4:00 p.m.-4:15 p.m. *Current Therapeutic Landscape for Treating Sleep Apnea and Potential Role of Incretins*  
Vaishnavi Kundel, MD, MS

4:15 p.m.-4:25 p.m. *Tirzepatide and SURMOUNT-OSA—Rationale, Hypotheses, and Study Design*  
Richard J. Schwab, MD

4:25 p.m.-4:45 p.m. *SURMOUNT-OSA—Efficacy and Safety*  
Atul Malhotra, MD

4:45 p.m.-4:55 p.m. *Putting SURMOUNT-OSA Results in Context, and Implications Regarding Treatment of Patients with Obesity-Related OSA*  
Louis J. Aronne, MD, FACP, DABOM

4:55 p.m.-5:15 p.m. *Question and Discussion Period*

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3:45 p.m.-5:15 p.m.  
(continued)

**Symposium**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-SY02-1.5

**United States Veterans and Diabetes—Not Gone and Not Forgotten**

Room: W207

Chair: Dina H. Griauzde, MD, MSc

- 3:45 p.m.-4:05 p.m.     *Diabetes and Complications in Veterans*  
Elizabeth M. Litkowski, PhD
- 4:05 p.m.-4:25 p.m.     *Mental Health and Diabetes in Veterans*  
Naomi Kane, PhD
- 4:25 p.m.-4:45 p.m.     *Million Veterans Program*  
Primary Speaker: TBD
- 4:45 p.m.-5:05 p.m.     *Telehealth Interventions to Improve Outcomes in Veterans with Diabetes*  
Matthew J. Crowley, MD, MHS
- 5:05 p.m.-5:15 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-SY05-1.5

**Joint ADA/IPITA Symposium—Clinical Beta-Cell Replacement Therapy Today** (*Includes Livestream*)

Room: W415B (Valencia Ballroom)

Co-Chairs: Michael R. Rickels, MD, MS and Melena Bellin, MD

- 3:45 p.m.-4:00 p.m.     *Evaluation of the Patient with Diabetes for Beta-Cell Replacement*  
Anna Lam, MD, MSc
- 4:00 p.m.-4:15 p.m.     *The Psychological Impact of Islet or Pancreas Transplantation*  
Jane Speight, MSc, PhD, CPsychol, FBPSS
- 4:15 p.m.-4:30 p.m.     *Monitoring and Treatment of Recipients for Rejection or Type 1 Diabetes Recurrence*  
Michiel Nijhoff, MD, MSc
- 4:30 p.m.-4:45 p.m.     *Update on Clinical Trials Using Stem-Cell Replacement*  
Piotr Witkowski, MD, PhD
- 4:45 p.m.-5:15 p.m.     *Question and Discussion Period*

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3:45 p.m.-5:15 p.m.  
(continued)

**Symposium**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-SY03-1.5

**The Second Act—Redefining the Signaling Mediators of Glucose Uptake in Muscle**

Room: W304 A-D

Chair: Paul M. Titchenell, PhD

- 3:45 p.m.-4:05 p.m.     *Control of Glucose Transport by Novel Insulin-Signaling Pathways*  
Lykke Sylow, PhD
- 4:05 p.m.-4:25 p.m.     *Control of Muscle Glucose Metabolism by the Adipokine Isthmin-1*  
Katrin Svensson, PhD
- 4:25 p.m.-4:45 p.m.     *Linking Mitochondrial Energetics to Insulin Sensitivity and Glucose Metabolism*  
P. Darrell Neufer, PhD
- 4:45 p.m.-5:05 p.m.     *Regulation of GLUT4 by TUG Proteins*  
Jonathan Bogan, MD
- 5:05 p.m.-5:15 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY07-1.5

**CNS Effects of GLP-1RA—Beyond Diabetes and Obesity**

Room: W304 E-H

Chair: Janice J. Hwang, MD

- 3:45 p.m.-4:15 p.m.     *GLP-1RA in Alcohol Use Disorder*  
Lorenzo Leggio, MD, PhD
- 4:15 p.m.-4:45 p.m.     *GLP-1RA and Thirst*  
Derek Daniels, PhD
- 4:45 p.m.-5:15 p.m.     *GLP-1 Actions on Neurodegeneration and Neuroinflammation*  
Nigel H. Greig, PhD

**Symposium**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-SY02-1.5

**Taking a Closer Look—Subcellular Approaches to Islet Biology**

Room: W206

Chair: Rafael Arrojo e Drigo, PhD

- 3:45 p.m.-4:15 p.m.     *Contributions of the Microtubule Cytoskeleton to Beta-Cell Biology*  
Irina Kaverina, PhD
- 4:15 p.m.-4:45 p.m.     *Cilia, Microvilli, and Membrane Localized Glycolysis in The Beta Cell*  
Matthew J. Merrins, PhD
- 4:45 p.m.-5:15 p.m.     *Metabolic Control of Beta-Cell Secretory Capacity*  
Samuel B. Stephens, PhD

FRIDAY, JUNE 21, 2024

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3:45 p.m.-5:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR10-1.5

**Beyond Glucose and Weight Reduction—Additional Effects of Incretin-Based Therapies**

Room: W415C (Valencia Ballroom)

Chair: Michael A. Nauck, MD

FRIDAY, JUNE 21, 2024

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

**Debate**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-DB05-1

**Sulfonylureas in Type 2 Diabetes Management—Should They Stay or Should They Go?** *(Includes Livestream)*

Room: W307

Chair: Rozalina G. McCoy, MD, MS

5:30 p.m.-5:45 p.m. *Sulfonylureas Remain Useful Agents in the Management of Type 2 Diabetes*

Elbert S. Huang, MD, MPH, FACP

5:45 p.m.-6:00 p.m. *We Need to Stop Using Sulfonylureas for the Treatment of Type 2 Diabetes*

Deborah J. Wexler, MD, MSc

6:00 p.m.-6:05 p.m. *Rebuttal*

Elbert S. Huang, MD, MPH, FACP

6:05 p.m.-6:10 p.m. *Rebuttal*

Deborah J. Wexler, MD, MSc

6:10 p.m.-6:30 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY35-1

**Liver Health in Diabetes** *(Includes Livestream)*

Room: W320 (Chapin Theater)

Co-Chairs: Kenneth Cusi, MD and Nuha El Sayed, MD, MMSc

5:30 p.m.-5:40 p.m. *Team-Based Care*

Kenneth Cusi, MD

Nuha El Sayed, MD, MMSc

5:40 p.m.-5:50 p.m. *Epidemiology/Hepatology*

Zobair Younossi, MD, MPH

5:50 p.m.-6:00 p.m. *Endocrinology and Obesity*

Michael Roden, MD

6:00 p.m.-6:05 p.m. *Nutrition*

Karen D. Corbin, PhD, RD

6:05 p.m.-6:10 p.m. *Physical Activity and Exercise*

Elizabeth J. Pekas, PhD

6:10 p.m.-6:20 p.m. *Primary Care*

Caroline R. Richardson, MD

6:20 p.m.-6:30 p.m. *Question and Discussion Period*

FRIDAY, JUNE 21, 2024

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR07-1

**New Biomarkers to Inform Lipid Therapies in Diabetes (With ADA Presidents' Select Abstract Presentation)**

Room: W206

Chair: Laura den Hartigh, PhD

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR14-1

**Unraveling Molecular Signatures, Biomarkers, and Methods for Neuropathy, Cognitive Decline,  
and Foot Ulcers**

Room: W208

Chair: Rayaz A. Malik, MD, PhD

FRIDAY, JUNE 21, 2024

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR05-1

**Medical Nutrition Therapy—Moving Beyond Traditional Outcome Measures**

Room: W314

Chair: Gretchen Benson, RDN, CDCES



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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR07-1

**Innovative Diabetes Self-Management Education across Diverse Populations**

Room: W308

Chair: Rebecca Longo, MSN, ACNP-BC, CDCES

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR12-1

**SGLT2 Inhibition Impact on Human Physiology**

Room: W415C (Valencia Ballroom)

Chair: Hidde L. Heerspink, PhD

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR17-1

**New Technology—Equity and Access**

Room: W315

Chair: Priya Prahalad, MD, PhD

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR18-1

**Pediatric Obesity and Type 2 Diabetes**

Room: W311

Chair: Fida Bacha, MD, FAAP

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR03-1

**The New Frontier in Risk Profiling for Diabetes—Blood, Guts, and Glory**

Room: W207

Chair: Sagar B. Dugani, MD, PhD, MPH

FRIDAY, JUNE 21, 2024

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR06-1

**Type 1 Diabetes Genome, Epigenome, and CRISPR Screens** *(Includes Livestream)*

Room: W414

Chair: Catherine C. Robertson, PhD

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR06-1

**Clinical Efforts to Study the Pathogenesis of Insulin Resistance**

Room: W304 E-H

Chair: Daniel F. Vatner, MD, PhD

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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-OR03-1

**Immune and Adipose Tissue Intersection**

Room: W304 A-D

Chair: Clive Wasserfall, MS, PhD



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5:30 p.m.-6:30 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR05-1

**Islet Potpourri Oral Abstracts** *(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Barak Blum, PhD

84<sup>th</sup> SCIENTIFIC SESSIONS PROGRAM

FRIDAY, JUNE 21, 2024

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

American Diabetes Association Networking Reception

Exhibit Hall (West A1-A3)

SATURDAY, JUNE 22, 2024

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

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY09-1.5

**SELECT Trial—New Looks at Glycemia, Inflammation, and Heart Failure** (*Includes Livestream*)

Room: W415B (Valencia Ballroom)

Chair: Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC

8:00 a.m.-8:20 a.m. *SELECT—An Overview of the Study and the Weight Outcomes*

Donna H. Ryan, MD

8:20 p.m.-8:40 p.m. *Semaglutide and Prediabetes Progression/Regression in People with Vascular Disease—What Have We Learned from SELECT?*

Steven E. Kahn, MB, ChB

8:40 a.m.-9:00 a.m. *Role of Glycemia on Cardiovascular Outcomes—New Data from SELECT*

Ildiko Lingvay, MD, MPH, MSCS

9:00 a.m.-9:20 a.m. *Heart Failure and Inflammation Outcomes in SELECT*

Jorge Plutzky, MD

9:20 a.m.-9:30 a.m. *Discussant*

Shivani Misra, MD, PhD

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY12-1.5

**Navigating the Spatial Landscape—Omics in Diabetic Kidney Disease**

Room: W208

Chair: Jennifer A. Schaub, MD

8:00 a.m.-8:30 a.m. *Mapping the Transcriptomic Universe—Spatial Transcriptomics in Deciphering Diabetic Nephropathy*

Parker C. Wilson, MD, PhD

8:30 a.m.-9:00 a.m. *Metabolites in 3D—How Spatial Metabolomics Revolutionizes Our Understanding of Diabetic Kidney Disease*

Kumar Sharma, MD

9:00 a.m.-9:30 a.m. *A Deeper Look at Proteins—Spatial Proteomics in Diabetic Kidney Pathogenesis*

Victor Puelles, MD, PhD

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY13-1.5

**Type 2 Diabetes and Exercise—Where Do We Stand?**

Room: W314

Chair: Judith G. Regensteiner, PhD

8:00 a.m.-8:30 a.m. *Incretin-Based Pharmacotherapy, (Osteo)sarcopenia, and Exercise*

Samuel Klein, MD

8:30 a.m.-9:00 a.m. *It's About Time—The Interaction of Exercise and Meal Timing*

Melissa Erickson, PhD

9:00 a.m.-9:30 a.m. *Maintaining Muscle Mass and Metabolic Health—Resistance Exercise in Type 2 Diabetes*

Ronald J. Sigal, MD, MPH, FRCPC

SATURDAY, JUNE 22, 2024

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8:00 a.m.-9:30 a.m.  
(continued)

**Session Type: Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY14-1.5

**NIDDK Early Career Investigator Symposium—Leveraging Social Support to Improve Diabetes Self-Management and Health Outcomes—Innovative Methods and Interventions**

Room: W311

Co-Chairs: Maureen Monaghan Center, PhD and Miranda Broadney, MD, MPH

- 8:00 a.m.-8:05 a.m. *Welcome Remarks from the NIDDK Director*  
Griffin Rodgers, MD, MACP
- 8:05 a.m.-8:20 a.m. *You're Not the Boss of Me!—Innovative Methods and Analyses to Assess the Impact of Caregivers on Diabetes Management and Psychosocial Outcomes of Adolescents with Diabetes*  
Daniel R. Tilden, MD, MPH
- 8:20 a.m.-8:35 a.m. *Innovative Methods and Analyses to Assess the Impact of Supportive Others on Diabetes Self-Management and Outcomes—Evaluation of Social Support and Social Networks in Rural-Dwelling Older Adults with Type 2 Diabetes*  
Brittany L. Smalls, PhD, MHSA, MSHPsych
- 8:35 a.m.-8:50 a.m. *Interventions Leveraging Social Support to Improve Diabetes Self Management and Outcomes—Adaptation and Tailoring of a Type 1 Diabetes Education and Support (TIDES) Intervention to Improve Diabetes Distress among Black Young Adults*  
Teaniese L. Davis, PhD
- 8:50 a.m.-9:05 a.m. *Leveraging Social Support to Improve Diabetes Self-Management and Outcomes—Mobile Health Interventions for Adults with Type 2 Diabetes and Support Persons*  
Lindsay S. Mayberry, PhD
- 9:05 a.m.-9:30 a.m. *Panel—Question and Discussion Period*

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY15-1.5

**ADA Education Recognition Program (ERP)—Diversifying Diabetes Self-Management Education and Support (DSMES) Delivery Models**

Room: W304 A-D

Chair: Gene Arnold, MS, RD, LD, CDE

- 8:00 a.m.-8:15 a.m. *Aligning Therapeutic Education with DSMES*  
Zoltan Pataky, MD
- 8:15 a.m.-8:30 a.m. *Improving Diabetes Management in the Elderly—DSMES in Home Health*  
Kyle Lavergne, DNP
- 8:30 a.m.-8:45 a.m. *Operationalizing Delivery of DSMES in Home Health*  
Rena' Thompson, RN, WTA, CDCES
- 8:45 a.m.-9:00 a.m. *Providing DSMES within Blue Cross and Blue Shield*  
Linda Roberto, RN
- 9:00 a.m.-9:15 a.m. *Innovative Approaches to State-Funded Delivery of DSMES at Scale*  
Gene Arnold, MS, RD, LD, CDCES
- 9:15 a.m.-9:30 a.m. *Question and Discussion Period*

SATURDAY, JUNE 22, 2024

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8:00 a.m.-9:30 a.m.  
(continued)

**Panel**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-PN06-1.5

**Newly-Diagnosed Type 2 Diabetes—What Should Be the Focus of Management in 2024?**

*(Includes Livestream)*

Room: W307

Chair: Ravi Retnakaran, MD, FRCPC

8:00 a.m.-8:15 a.m.     *Treat Obesity First!*  
                                  Ania M. Jastreboff, MD, PhD

8:15 a.m.-8:30 a.m.     *Prevent Future Complications!*  
                                  Roopa Mehta, MD, PhD

8:30 a.m.-8:45 a.m.     *Achieve Remission!*  
                                  Roy Taylor, MD

8:45 a.m.-9:00 a.m.     *It's Still about Glucose, Until Proven Otherwise*  
                                  David M. Nathan, MD

9:00 a.m.-9:30 a.m.     *Panel Discussion*

**Panel**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-PN16-1.5

**The Role of the Interdisciplinary Team in Technology Onboarding in Primary Care**

Room: W415C (Valencia Ballroom)

Chair: Richard M. Bergenstal, MD

8:00 a.m.-8:20 a.m.     *Is Primary Care the Best Place for Continuous Glucose Monitoring (CGM) Initiation?*

                                  Eden Miller, DO

8:20 a.m.-8:40 a.m.     *What Is the Role of Primary Care Practices in Automated Insulin Delivery?*  
                                  Sean Oser, MD, MPH

8:40 a.m.-9:00 a.m.     *Diabetes Care and Education Specialists as Technology Champions*  
                                  Katelyn O'Brien, PharmD, BCPS, CDCES, BC-ADM

9:00 a.m.-9:20 a.m.     *Patient Perspective*  
                                  Zachary Jones

9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

SATURDAY, JUNE 22, 2024

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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY23-1.5

**Navigating the Early Phases of Pediatric Type 1 Diabetes**

Room: W315

Chair: Stephen E. Gitelman, MD

8:00 a.m.-8:20 a.m.     *Patient Perspective*

Amanda Twigg, MD

8:20 a.m.-8:40 a.m.     *Pediatric Type 1 Diabetes Screening Programs*

Anette-Gabriele Ziegler, MD

8:40 a.m.-9:00 a.m.     *Continuous Glucose Monitoring (CGM) and Early Stage Type 1 Diabetes*

Andrea Steck, MD

9:00 a.m.-9:20 a.m.     *The Economics of Early-Stage Type 1 Diabetes Detection and Treatment*

R. Brett McQueen, PhD

9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY27-1.5

**ADA Diabetes Care Symposium—The Final Frontier—Implementing the Learning from Implementation Science**

Room: W308

Chair: John B. Buse, MD, PhD

8:00 a.m.-8:20 a.m.     *Diabetes Prevention—What Do We Know Now That We Didn't Know 20 Years Ago?*

Brian Oldenburg, MPsychol, PhD

8:20 a.m.-8:40 a.m.     *Using Telehealth to Improve Diabetes Control in Real-World Practice*

Matthew J. Crowley, MD, MHS

8:40 a.m.-9:00 a.m.     *Multifactorial Cardiovascular Risk Reduction—The COORDINATE-Diabetes Implementation Example*

Jennifer B. Green, MD

9:00 a.m.-9:20 a.m.     *Commentary and Future Direction*

Nisa M. Maruthur, MD, MHS

9:20 a.m.-9:30 a.m.     *Question and Discussion Period*



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8:00 a.m.-9:30 a.m.  
(continued)**Symposium***Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY08-1.5

**Obesity in United States Hispanic/Latino Populations—Challenges and Strategies**

Room: W304 E-H

Chair: Rodolfo J. Galindo, MD

- 8:00 a.m.-8:20 a.m.     *Obesity Inequity among Hispanic/Latino Adults and Children in the United States—Drivers and Implications*  
Erica G. Soltero, PhD
- 8:20 a.m.-8:40 a.m.     *Metabolic-Dysfunction—Associated Steatotic Liver Disease among Hispanic/Latino Children and Adults*  
Jeffrey Schwimmer, MD
- 8:40 a.m.-9:00 a.m.     *Tailoring Obesity Treatments to the United States Hispanic/Latino Population—Success and Challenges*  
Jaime P. Almandoz, MD, MBA, FTOS
- 9:00 a.m.-9:20 a.m.     *Neighborhood Determinants of Health and Policy Changes—Lessons Outside the United States*  
Carolina Perez-Ferrer, PhD
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium***Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY45-1.5

**The Efficacy and Safety of Inhaled Insulin Used with Insulin Degludec Compared with Automated Insulin Delivery or Multiple Daily Insulin Injections in Adults with Type 1 Diabetes—Results of the INHALE-3 Randomized Trial (Includes Livestream)**

Room: W320 (Chapin Theater)

Chair: Roy W. Beck, MD, PhD

- 8:00 a.m.-8:10 a.m.     *Inhaled Insulin's History and Study Rationale*  
Halis K. Akturk, MD
- 8:10 a.m.-8:20 a.m.     *Study Methods and Participant Baseline Characteristics*  
Yogish C. Kudva, MD
- 8:20 a.m.-8:30 a.m.     *Study Results I—Comparison of Inhaled Insulin vs. Rapid-Acting Analogue Insulin in Users of Automated Insulin Delivery or Multiple Daily Insulin Injections during Standardized In-Clinic Meal Challenges*  
Ruth S. Weinstock, MD, PhD
- 8:30 a.m.-8:40 a.m.     *Study Results II—Primary Efficacy, Safety, and Quality of Life Outcomes*  
Carol J. Levy, MD, CDCES
- 8:40 a.m.-8:50 a.m.     *Study Results III—Effect of Inhaled Insulin-Degludec Compared with Automated Insulin Delivery and in Subgroups According to Participant Characteristics*  
Grazia Aleppo, MD, FACE, FACP
- 8:50 a.m.-9:00 a.m.     *Critique of Study Design and Results*  
Irl B. Hirsch, MD
- 9:00 a.m.-9:10 a.m.     *Use of Inhaled Insulin in Clinical Practice*  
Thomas Blevins, MD
- 9:10 a.m.-9:30 a.m.     *Question and Discussion Period*



SATURDAY, JUNE 22, 2024

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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-SY05-1.5

**The Good, The Bad, and The Ugly of Lipids in the Beta-Cell Microenvironment**

Room: W206

Chair: Marc Prentki, PhD

8:00 a.m.-8:30 a.m.     *Lipoproteins-Induced Beta-Cell Impairment and Impact on the Action of Beta-Cell—Derived Exosomes*

Victor García-González, PhD

8:30 a.m.-9:00 a.m.     *Glucose Metabolism Primes Lipogenesis in the  $\beta$ -cell Through Epigenomic Signaling*

Matthew Worthman, PhD

9:00 a.m.-9:30 a.m.     *Cholesterol Redistribution in Pancreatic Beta-Cells—A Flexible Path to Regulate Insulin Secretion*

Carla Perego, PhD

SATURDAY, JUNE 22, 2024

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

**ADA Chief Executive Officer Remarks** *(Includes Livestream)*

Charles Henderson

and

**President, Health Care & Education Address** *(Includes Livestream)*

*Lessons Learned—Diabetes Education for One and All*

Patti Urbanski, MEd, RD, LD, CDCES, FADCES

and

**Outstanding Educator in Diabetes Award Lecture** *(Includes Livestream)*

*Meeting People Where They Are—Improving Diabetes Care and Outcomes through  
Education and Collaboration*

Joshua J. Neumiller, PharmD, CDCES, FADCES, FASCP

Room: West Hall B3-4 (General Session)

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—Lower Extremity Complications**

Room: W206

Chair: Laura Shin, DPM, PhD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-12:20 p.m. *Current Surgical Techniques in Diabetic Foot/Ankle Reconstruction*

Patrick R. Burns, DPM

12:20 p.m.-12:30 p.m. *Question and Discussion Period*

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-IG02-1

**Discussion on Exercise Physiology—Syncing Up—Exploring the Interplay of Circadian Rhythms and Exercise**

Room: W304 A-D

Chair: Melissa Erickson, PhD

11:30 a.m.-11:36 a.m. *Introduction*

11:36 a.m.-11:54 a.m. *Exercise Timing and Metabolic Rhythmicity in Type 2 Diabetes*

Juleen R. Zierath, PhD

11:54 a.m.-12:12 p.m. *Interaction of Circadian System and Physical Activity on Cardiovascular Health*

Jingyi Qian, PhD

12:12 p.m.-12:30 p.m. *Does Timing of Exercise Matter? Time of Day Effects of Physical Activity on Glycemic Outcomes*

Roeland J.W. Middelbeek, MD, MSc

**Professional Interest Group**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-IG04-1

**Discussion on Nutritional Sciences and Metabolism—The Science of Ultraprocessed Foods and Impacts on Metabolic Diseases**

Room: W304 E-H

Chair: Raneer Chatterjee Montgomery, MD, MPH

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *Metabolic Impacts of Ultraprocessed Foods*

Lauren E. O'Connor, PhD

11:55 a.m.-12:15 p.m. *Ultraprocessed Foods and Chronic Disease Across the Lifespan*

William Heerman, MD, MPH

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

**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)—How to Say "No" So You Can Say "Yes"—Optimizing Time Management**

Room: W308

Chair: Rebecca L. Scalzo, PhD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *How to Say "No" So You Can Say "Yes"—Optimizing Time Management*

Linda DiMeglio, MD, MPH

11:55 a.m.-12:15 p.m. *Primary Speaker: TBD*

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

SATURDAY, JUNE 22, 2024

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG03-1

**Discussion on Diabetes in Youth—Perspectives on Universal Antibody Screening**

Room: W207

Co-Chairs: Stuart A. Weinzimer, MD and Persis V. Commissariat, PhD, CDCES

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *Universal Antibody Screening—Pediatric Perspective*  
Desmond Schatz, MD

11:55 a.m.-12:15 p.m. *Universal Antibody Screening—Behavioral Medicine Perspective*  
Suzanne B. Johnson, PhD

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG05-1

**Discussion on Pregnancy and Reproductive Health—Should Continuous Glucose Monitoring Be Used in Pregnancy Complicated by Gestational Diabetes?**

Room: W208

Co-Chairs: Camille E. Powe, MD and Greyne O'Malley, MD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:50 a.m. *Continuous Glucose Monitoring Should Be Used Now in Pregnancy Complicated by Gestational Diabetes*  
Eleanor M. Scott, BM, BS, MD, FRCP

11:50 a.m.-12:05 p.m. *Continuous Glucose Monitoring Should Not Yet Be Used in Pregnancy Complicated by Gestational Diabetes*  
Christina M. Scifres, MD

12:05 p.m.-12:10 p.m. *Rebuttal*  
Eleanor M. Scott, BM, BS, MD, FRCP

12:10 p.m.-12:15 p.m. *Rebuttal*  
Christina M. Scifres, MD

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

SATURDAY, JUNE 22, 2024

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-IG01-1

**Discussion on Islet Biology, Development, and Function—Right on Target—Strategies to Selectively Regenerate and Protect Beta Cells**

Room: W311

Chair: Jeffrey S. Tessem, PhD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:50 a.m. *Islet Cell Targeting Using a ZnT8 Ab for Beta-Cell Mass Imaging and Regeneration*

Dax Fu, PhD

11:50 a.m.-12:05 p.m. *Nanoparticle Targeting of the Beta Cell*

Nikki L. Farnsworth, PhD

12:05 p.m.-12:20 p.m. *Zinc Targeting of the Beta Cell*

Wen-Hong Li, PhD

12:20 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Development**

*Theme Area: Professional Development*

Session Number: PD-01-1

**Creating Talks That Are Talked About—How to Bring Memorability to Your Presentation(s)**  
*(Includes Livestream)*

Room: W307

Chair: Nicole Johnson, DrPH, MPH, MA

11:30 a.m.-12:30 p.m. *Creating Talks That Are Talked About—How to Bring Memorability To Your Presentation(s)*

Kari Goetz, BFA, MA

SATURDAY, JUNE 22, 2024

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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Acute and Chronic Complications*

Session Number: ePoster01

**(\*) Diabetic Kidney Disease—From Genetic Pathways to Social Determinants**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Laura Pyle, PhD

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

SATURDAY, JUNE 22, 2024

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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Epidemiology/Genetics*

Session Number: ePoster02

**(\*) Diabetes and CVD—Heartbreak in Motion**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Janet K. Snell-Bergeon, PhD, MPH

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

SATURDAY, JUNE 22, 2024

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

**ePoster Theater**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: ePoster03

**(\* Insights into the Treatment, Mechanistic Underpinnings, and Determinants of Outcomes in Pregnancies Complicated by Diabetes**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Samantha F. Ehrlich, PhD, MPH

*(\* Continuing Education Credit Is Not Awarded for this Session.*



SATURDAY, JUNE 22, 2024

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12:30 p.m.-1:30 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: ePoster04

**(\*) Pediatric Research Update—Type 1 Diabetes, Type 2 Diabetes, Obesity**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Sarah A. MacLeish, DO

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

SATURDAY, JUNE 22, 2024

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

**Session Break**

(Take this opportunity to visit the Exhibit and Poster Halls)

1:30 p.m.-3:00 p.m.

**Debate**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-DB15-1.5

**Innovation or Access in Diabetes Technology—What Should Be Our Global Priority?**

Room: W415C (Valencia Ballroom)

Chair: David M. Maahs, MD, PhD

- 1:30 p.m.-1:50 p.m.     *Access Should Be Our Top Priority!*  
Apoorva Gomber, MBBS, MD, MPH
- 1:50 p.m.-2:10 p.m.    *Innovation Should Be Our Top Priority!*  
Rayhan Lal, MD
- 2:10 p.m.-2:25 p.m.    *Rebuttal*  
Apoorva Gomber, MBBS, MD, MPH
- 2:25 p.m.-2:40 p.m.    *Rebuttal*  
Rayhan Lal, MD
- 2:40 p.m.-3:00 p.m.    *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY30-1.5

**ADA Primary Care Council—What Does a Person with Diabetes Need from Their Primary Care Team? (Includes Livestream)**

Room: W320 (Chapin Theater)

Chair: Kevin A. Peterson, MD, MPH

- 1:30 p.m.-3:00 p.m.     *Team-Based Care*  
Sarah Candler, MD, MPH, FACP  
Andrea Haynes, MD  
Cara Orr, MS, MMS, PA-C  
Kimberly D. Broughton-Miller, DNP, APRN, FNP-C, ENP-C, FAANP  
Pamela Stamm, PharmD, BCPS, BCACP, CDCES, FASHP, FACCPC  
Primary Speaker: TBD

SATURDAY, JUNE 22, 2024

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1:30 p.m.-3:00 p.m.  
(continued)

**Symposium**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-SY03-1.5

**Channeling Mechanisms Underlying Islet Function and Dysfunction** *(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Show-Ling Shyng, PhD

- 1:30 p.m.-2:00 p.m.     *Impact of Intracellular Calcium Flux on Beta-Cell Insulin Secretion*  
Marjan Slak Rupnik, PhD
- 2:00 p.m.-2:30 p.m.     *Channeling Euglycemia—TALK-1 Channel Modulation of Islet Hormone Secretion and Glucose Homeostasis*  
David Jacobson, PhD
- 2:30 p.m.-3:00 p.m.     *Impacts of Swell Channels on Insulin Secretion*  
Rajan Sah, MD, PhD

SATURDAY, JUNE 22, 2024

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR02-1.5

**Cell and Molecular Approaches to Diabetes-Related Foot Complications (With Roger Pecoraro Award Lecture) *(Includes Livestream)***

Room: W307

Chair: Tyler Lawrence Coye, DPM

1:30 p.m.-2:00 p.m.

**Roger Pecoraro Award Lecture**

*Roger Pecoraro Award Lecture 2024*

Frances L. Game, BSc, MBBCh (Hons), MRCP(UK), MRCPPath, FRCP

SATURDAY, JUNE 22, 2024

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR03-1.5

**Hypoglycemia in the Real World—Who's Really at Risk?**

Room: W208

Chair: Michael Bancks, PhD, MPH

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR08-1.5

**Clinical Biomarkers of ASCVD Risk Progression in Diabetes Mellitus and Metabolic Disease**

Room: W308

Chair: Om Ganda, MD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR01-1.5

**Social Drivers of Health and Advancement towards Social Justice**

Room: W314

Chair: Persis V. Commissariat, PhD, CDCES

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR02-1.5

**Using Teams and Technology to Improve Outcomes**

Room: W315

Chair: Peter Rossing, MD, DMSc



SATURDAY, JUNE 22, 2024

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR05-1.5

**Novel Insights into Pathophysiology, Diagnosis, and Outcomes in GDM**

Room: W311

Chair: Mary R. Loeken, PhD, MS

SATURDAY, JUNE 22, 2024

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR02-1.5

**The Safety Net Unraveled—Social and Geographical Factors in Diabetes Disparities**

Room: W206

Chair: Jessica L. Harding, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR04-1.5

**Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents' Select Abstract Presentation)**

Room: W207

Chair: Adelaide Tovar, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR02-1.5

**Novel Regulators of Insulin Action and Insulin Sensitivity** *(Includes Livestream)*

Room: W414

Chair: Terry Unterman, MD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-OR05-1.5

**The "Barrier Reef"—Overcoming Hurdles to Beta-Cell Replacement Therapies**

Room: W304 A-D

Chair: Clayton E. Mathews, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: ePoster05

**(\* Learning Across Diabetes**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Lawrence A. Leiter, MD, FRCPC, FACP, FACE, FAHA, FACC

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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1:30 p.m.-3:00 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Acute and Chronic Complications*

Session Number: ePoster06

**(\*) From Macrovascular to Microvascular**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Carol H. Wysham, MD

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

SATURDAY, JUNE 22, 2024

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3:15 p.m.-4:15 p.m.

**Panel**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-PN03-1

**From the Cutting Room Floor—Semi-live Surgery for Healing Diabetic Foot Ulcers for the Referring Practitioner**

Room: W206

Chair: Ryan T. Crews, PhD, CCRP

3:15 p.m.-3:40 p.m. *After the Referral—Watch How Podiatrists Surgically Treat Foot Ulcers*  
Haywan Chiu, DPM

3:40 p.m.-4:05 p.m. *Kidney-Friendly Vascular Surgery Interventions for Diabetic Peripheral Arterial Disease*  
Michael Siah, MD

4:05 p.m.-4:15 p.m. *Question and Discussion Period*

**Panel**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-PN08-1

**Beyond Statins—Treating and Evaluating Residual Atherosclerotic Cardiovascular Disease Risk**

Room: W207

Chair: Chiadi E. Ndumele, MD, PhD

Alternate Chair: Carlos A. Alvarez, PharmD, MSc, MSCS, BCPS

3:15 p.m.-3:25 p.m. *New Lipid-Lowering Pharmacotherapies in Diabetes*  
Erin Michos, MD, MHS

3:25 p.m.-3:35 p.m. *Lp(a) Therapeutics—Are We There Yet?*  
Marlys Koschinsky, PhD

3:35 p.m.-3:45 p.m. *Advanced Diagnostic Imaging—Is Your Lipid Therapy Good Enough?*  
Yasmin S. Hamirani, MD

3:45 p.m.-4:15 p.m. Panel Discussion

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY02-1

**Diabetic Retinopathy Care and Screening—Is Artificial Intelligence Changing the Future?**

Room: W208

Chair: Paolo S. Silva, MD

3:15 p.m.-3:30 p.m. *Overview of DRCR Retina Network Studies and Standards of Diabetes Eye Care*  
Mohamed Elmasry, MD, PhD

3:30 p.m.-3:45 p.m. *Emerging Treatment Strategies for Diabetic Retinopathy*  
Thomas W. Gardner, MD, MS

3:45 p.m.-4:00 p.m. *Artificial Intelligence and Novel Retinal Imaging in Diabetic Retinopathy Screening*  
Aaron Y. Lee, MD, MSCI

4:00 p.m.-4:15 p.m. *Leveraging Diabetic Retinopathy Screening Programs in Clinical Trials*  
David Preiss, MBChB, MRCP, FRCPATH, PhD



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3:15 p.m.-4:15 p.m.  
(continued)

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY14-1

**The Many Faces of Kidney Disease in Diabetes—Not All Are Diabetic Nephropathy** (*Includes Livestream*)

Room: W307

Chair: Ashish Verma, MB, BS

3:15 p.m.-3:35 p.m. *Acute Kidney Injury and Its Long-Term Consequences in Diabetes*

Andrew Advani, BSc, MBChB(Hons), PhD, FRCP(UK), FRCP(Edin), FASN

3:35 p.m.-3:55 p.m. *The Vascular Crossroads—Hypertension and Vascular Disease in Diabetic Kidney Disease Progression*

Jeffrey B. Hodgin, MD, PhD

3:55 p.m.-4:15 p.m. *Decoding Diabetic Kidney Disease—Molecular Subtypes and the Future of Nosology*

Timothy Sutton, MD

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY16-1

**Updates in Autonomic Neuropathy**

Room: W308

Chair: Andrew J.M. Boulton, MD, DSc (Hon), FACP, FICP, FRCP

3:15 p.m.-3:35 p.m. *Autonomic Dysfunction—Challenging Clinical Scenarios*

Christian S. Hansen, MD, PhD

3:35 p.m.-3:55 p.m. *Gastroparesis—Myths and Facts*

Karen L. Jones, Dipp App Sc (Nuclear Medicine), PhD

3:55 p.m.-4:15 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY06-1

**Optimizing Outcomes of GLP-1+/GIP Receptor Agonists—How to Help Patients Succeed**

Room: W315

Chair: Ka Hei Karen Lau, MS, RDN, LDN, CDCES

3:15 p.m.-3:45 p.m. *Is Weight Loss Everything? Nutrition and Lifestyle Are Missing Puzzle Pieces*

Colleen Dawkins, FNP-C, RDN, CSOWM

3:45 p.m.-4:15 p.m. *Protocol in Practice—Standing Orders for RD/RN Management of GLP-1/GIP Receptor Agonists*

Maureen Chomko, RD, CDCES





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3:15 p.m.-4:15 p.m.  
(continued)

**Symposium**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY06-1

**Intermittent Fasting in Various Forms of Diabetes Care** *(Includes Livestream)*

Room: W414

Chair: Kelsey Gabel, RD, MS, PhD

3:15 p.m.-3:35 p.m.     *Possibilities of Fasting in Patients with Diabetes*

Lisa S. Chow, MD, MS

3:35 p.m.-3:55 p.m.     *Can Time-Restricted Eating Inhibit the Progression of Prediabetes?*

Courtney M. Peterson, PhD, MSc, MA, MS

3:55 p.m.-4:15 p.m.     *Can Time-Restricted Eating Treat Polycystic Ovary Syndrome?*

Sofia Cienfuegos, PhD, MS

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY18-1

**International Consensus Statement and Movement to End Diabetes Stigma**

Room: W311

Chair: Jane Speight, MSc, PhD, CPsychol, FBPsS

3:15 p.m.-3:30 p.m.     *International Consensus Statement for Ending Diabetes Stigma—  
Background, Methodology of the Consensus Statement, and Overview  
of Recommendations for Health Professional and Researchers*

Matthew Garza, Bachelor's Degree

3:30 p.m.-3:45 p.m.     *Prevalence and Impact of Diabetes Stigma—Implications for Health  
Outcomes*

Mary de Groot, PhD

3:45 p.m.-4:00 p.m.     *Research in Diabetes Stigma—What's Next?*

Kevin Joiner, PhD, APRN, ANP-BC, CDCES

4:00 p.m.-4:15 p.m.     *Integration into Care Settings—Patient Perspective and Identifying  
Resources*

Susan Guzman, PhD

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4:30 p.m.-6:00 p.m.

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY01-1.5

**The Evolution of Diabetes Behavioral Care (Includes Livestream)**

Room: W307

Chair: Mary de Groot, PhD

4:30 p.m.-5:00 p.m.     *Establishing the Evidence Base for Patient Empowerment in Behavioral Diabetes Care*

Gretchen Piatt, PhD, MPH

5:00 p.m.-5:30 p.m.     *Harnessing Advanced Methods and Technologies for Behavioral Diabetes Care*

Molly L. Tanenbaum, PhD

5:30 p.m.-6:00 p.m.     *Advancing Health Equity in Behavioral Diabetes Care*  
Nadia Islam, MA, MPhil, PhD

**Main Event**

*Theme Area: Main Event*

Session Number: CT-ME40-1.5

**(\*) Innovation Challenge (Includes Livestream)**

**(\*) Continuing Education Credit Is Not Awarded for this Session**

Room: West Hall B3-4 (General Session)

Co-Chairs: Robert A. Gabbay, MD, PhD and Nicole Johnson, DrPH, MPH, MA

4:30 p.m.-6:00 p.m.     *Innovation Challenge*

Primary Speaker: TBD

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY09-1.5

**Diabetes and the Lung—Cause and Consequence (Includes Livestream)**

Room: W414

Chair: Vanita R. Aroda, MD

4:30 p.m.-4:50 p.m.     *What Do We Know about Diabetes and the Lung?*

Juan C. Celedón, MD, DrPH

4:50 p.m.-5:10 p.m.     *GLP-1 Receptor Agonists and the Respiratory Outcomes in Patients with Asthma and Chronic Obstructive Pulmonary Disease*

Dinah Foer, MD

5:10 p.m.-5:30 p.m.     *Insulin Resistance as a Treatable Trait in Asthma*

Tianshi D. Wu, MD, MHS

5:30 p.m.-5:50 p.m.     *Immunometabolic Pathways in Lung Inflammation—Novel Therapeutic Opportunities*

M. Furkan Burak, MD

5:50 p.m.-6:00 p.m.     *Question and Discussion Period*



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4:30 p.m.-6:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR09-1.5

**Leveling Up Incretin-Based Therapy in Type 2 Diabetes**

Room: W415C (Valencia Ballroom)

Chair: Tina Vilsbøll, MD, DMSc

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4:30 p.m.-6:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR08-1.5

**Towards Targeted Weight-Loss Therapy—New Considerations for GLP-1RA or Surgery**

Room: W304 A-D

Chair: Daniel S. Hsia, MD



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**Scientific Sessions**  
8:00 a.m.-9:30 a.m.

**Panel**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-PN10-1.5

**A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic** *(Includes Livestream)*

Room: W307

Chair: Melissa L. Magwire, RN, MSN, CDE

8:00 a.m.-9:00 a.m. *A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic*

Biykem Bozkurt, MD, PhD, FHFSA, FACC, FAHA, FACP

Chiadi E. Ndumele, MD, PhD

Bruce A. Perkins, MD, MPH, FRCP(C)

Goutham Rao, MD

Evan M. Sisson, PharmD, MHA, CDCES

9:00 a.m.-9:30 a.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY13-1.5

**The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities**

Room: W206

Chair: Meda E. Pavkov, MD, PhD

8:00 a.m.-8:30 a.m. *Heat Waves and Kidneys—How Climate Change Aggravates Diabetic Nephropathy*

Vivek Bhalla, MD

8:30 a.m.-9:00 a.m. *Clear Waters Ahead? The Impacts of PFAS on Diabetic Kidney Health*

Jesse Goodrich, PhD

9:00 a.m.-9:30 a.m. *The Exposome Imperative—Unlocking the Full Spectrum of Exposure Sciences to Prevent Diabetic Kidney Disease*

Ana Navas-Acien, MD, PhD

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY02-1.5

**Loneliness Is a Real Heartbreaker** *(Includes Livestream)*

Room: W414

Chair: Kevin Joiner, PhD, APRN, ANP-BC, CDCES

8:00 a.m.-8:30 a.m. *The Epidemic of Loneliness and Isolation*

Anne Gaglioti, MD, MS, FAAFP

8:30 a.m.-9:00 a.m. *The Link between Loneliness and Diabetes*

Xuan Wang, PhD

9:00 a.m.-9:30 a.m. *The Psychological Toll of Loneliness*

Ariana Chao, PhD, MSN, BSN, RN

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8:00 a.m.-9:30 a.m.  
(continued)

**Panel**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-PN10-1.5

**Noninsulin Treatment for Type 1 Diabetes**

Room: W311

Chair: Richard M. Bergenstal, MD

- 8:00 a.m.-8:20 a.m.     *Is There a Place for SGLT Inhibition in Type 1 Diabetes Mellitus?*  
Ele Ferrannini, MD
- 8:20 a.m.-8:40 a.m.     *Is There a Place for GLP-1RA in Type 1 Diabetes Mellitus?*  
Michael A. Nauck, MD
- 8:40 a.m.-9:00 a.m.     *Is There a Place for MRA in Type 1 Diabetes Mellitus?*  
Hiddo L. Heerspink, PhD
- 9:00 a.m.-9:20 a.m.     *The Lived Experience*  
Wes Unger
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY01-1.5

**Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models**

Room: W315

Chair: Linda A. Barbour, MD, MSPH, FACP

- 8:00 a.m.-8:15 a.m.     *First Do No Harm—Potential Fetal Programming Perils with Maternal Metformin Use in Pregnancy*  
Kjersti M. Aagaard, MD, PhD, FACOG
- 8:15 a.m.-8:30 a.m.     *Effects and Consequences of Metformin Action in the Fetal Liver from Nonhuman Primates and Sheep*  
Stephanie R. Wesolowski, PhD
- 8:30 a.m.-8:45 a.m.     *Effects of Metformin and Maternal Overnutrition on Fetal Pancreas and Islet Mitochondria in Nonhuman Primates*  
Maureen Gannon, PhD
- 8:45 a.m.-9:00 a.m.     *Evidence for Long-Term Effects of In Utero Metformin Exposure—Where Do We Go from Here?*  
Susan Ozanne, PhD
- 9:00 a.m.-9:30 a.m.     *Question and Discussion Period*

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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY24-1.5

**Joint ADA/ISPAD Symposium—Pediatric Diabetes Insights and Innovations**

Room: W415C (Valencia Ballroom)

Co-Chairs: Jamie R. Wood, MD and Eda Cengiz, MD, MHS

8:00 a.m.-8:20 a.m. *What Is New in Treatment of Preschool Children with Type 1 Diabetes Mellitus?*

Carine de Beaufort, MD, PhD

8:20 a.m.-8:40 a.m. *Inpatient Pediatric Diabetes Technology Use*

Erin C. Cobry, MD

8:40 a.m.-9:00 a.m. *Innovations in Diabetes Education—App-Based Diabetes Technology Education and More...*

Brynn E. Marks, MD, MSHPEd

9:00 a.m.-9:20 a.m. *Rethinking First-Line Therapy in Pediatric Type 2 Diabetes*

Shylaja Srinivasan, MD, MAS

9:20 a.m.-9:30 a.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY36-1.5

**The State of Health Equity and Disability—Supporting Diabetes Technology Usage in People Who Are Deaf/Hard of Hearing or Blind/Low Vision**

Room: W314

Co-Chairs: Nancy A. Allen, PhD and Jeremy Quiroga

8:00 a.m.-8:20 a.m. *Fostering Inclusivity—Advancing Diabetes Technology for Deaf and Hard of Hearing Individuals*

Michelle L. Litchman, PhD, FNP-BC

8:20 a.m.-8:40 a.m. *Hacks to Address the Lack of Diabetes Technology Accessible for Deaf and Hard of Hearing People with Diabetes*

Ryan Layton

8:40 a.m.-9:00 a.m. *Enhancing Diabetes Technology Accessibility for Individuals Who Are Blind or Have Low Vision*

Allyson S. Hughes, PhD

9:00 a.m.-9:20 a.m. *Real-World Challenges Using Diabetes Technology as a Person with Low Vision*

Chelcie Rice

9:20 a.m.-9:30 a.m. *Question and Discussion Period*

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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY44-1.5

**Diabetes and Organ Transplantation—Pathophysiology, Inpatient and Outpatient Management**

Room: W208

Chair: Boris Draznin, MD, PhD

8:00 a.m.-8:20 a.m. *Diabetes and Organ Transplantation—An Overview*

Archana R. Sadhu, MD, FACE

8:20 a.m.-8:40 a.m. *Management of Diabetes following Liver Transplantation*

Palak Choksi, MD

8:40 a.m.-9:00 a.m. *Diabetes and Kidney Transplantation*

Primary Speaker: TBD

9:00 a.m.-9:30 a.m. *Question and Discussion Period*

**Panel**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-PN04-1.5

**When a Box Isn't a Box—Research Frameworks for Understanding and Addressing Disparities in Type 2 Diabetes**

Room: W207

Chair: Jacqueline A. Seigle, MD, MSc

8:00 a.m.-8:20 a.m. *Adapting the NIMHD Research Framework for Diabetes Disparities across the Lifespan*

Eyitayo O. Owolabi, PhD, RN

8:20 a.m.-8:40 a.m. *Applying Implementation Science Frameworks to Advance Diabetes Prevention Efforts*

Lillian Madrigal, PhD, MPH

8:40 a.m.-9:00 a.m. *National Policy Frameworks for Addressing Type 2 Diabetes*

Puneet Kaur Chehal, MA, PhD

9:00 a.m.-9:20 a.m. *A Pragmatic Action-Based Framework to Address Global Inequities in Diabetes*

Ashby F. Walker, PhD

9:20 a.m.-9:30 a.m. *Question and Discussion Period*

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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-SY04-1.5

**Translating Type 1 Diabetes Risk Alleles to Therapy**

Room: W304 A-D

Chair: Suna Onengut-Gumuscu, PhD

- 8:00 a.m.-8:20 a.m.     *IL2RA Variation Shapes Type 1 Diabetes Risk*  
Harikesh S. Wong, PhD, BSc
- 8:20 a.m.-8:40 a.m.     *HLA as a Target, Not a Predictor*  
Aaron W. Michels, MD
- 8:40 a.m.-9:00 a.m.     *Targeting TYK2 for Treatment of Type 1 Diabetes*  
Farooq Syed, PhD
- 9:00 a.m.-9:20 a.m.     *Fixing FOXP3+ Cells in Type 1 Diabetes*  
Matthew E. Brown, BS
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-SY04-1.5

**Metabolite Transport and Molecular Metabolism**

Room: W304 E-H

Chair: Alexander Banks, PhD

- 8:00 a.m.-8:20 a.m.     *Fumarate and Mitochondrial Energetics*  
Jessica Spinelli, PhD
- 8:20 a.m.-8:40 a.m.     *Lipid Transport and Metabolism*  
Judith Simcox, BA, PhD
- 8:40 a.m.-9:00 a.m.     *Insulin Signaling and Bile Acid Transport and Metabolism*  
Rebecca Haeusler, PhD
- 9:00 a.m.-9:20 a.m.     *Mitochondrial Pyruvate Transport and Liver Metabolism*  
Brian N. Finck, PhD
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY11-1.5

**Severe GLP-1RA Side Effects in Obesity Treatment—Fact or Fiction? (Includes Livestream)**

Room: W415B (Valencia Ballroom)

Chair: Mary-Elizabeth Patti, MD

- 8:00 a.m.-8:20 a.m.     *Pancreatitis and Gall Bladder Disease*  
Daniel J. Drucker, MD
- 8:20 a.m.-8:40 a.m.     *Suicide Risk*  
John-Michael Gamble, PhD
- 8:40 a.m.-9:00 a.m.     *Thyroid Cancer*  
Elizabeth N. Pearce, MD, MSc
- 9:00 a.m.-9:20 a.m.     *Fine-Tuning the Patient's GLP-1 Experience*  
Beverly G. Tchang, MD
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*



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

**President, Medicine & Science Address** *(Includes Livestream)*

*Fighting Diabetes—A Journey That Began in Childhood*  
Mandeep Bajaj, MBBS

and

**National Scientific & Health Care Achievement Awards Presentation** *(Includes Livestream)*

Room: West Hall B3-4 (General Session)

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—Obesity and Diabetes—Innovative Research to Inform Clinical Practice**

Room: W206

Chair: Heather Ferris, MD, PhD

11:30 a.m.-11:33 a.m. *Introduction*

11:33 a.m.-11:48 a.m. *Ketone Metabolism and Cardiometabolic Disease*  
Peter A. Crawford, MD, PhD

11:48 a.m.-12:03 p.m. *Dapagliflozin According to Body Mass Index*  
Mikhail N. Kosiborod, MD

12:03 p.m.-12:18 p.m. *REAL HEALTH-Diabetes Trial*  
Deborah J. Wexler, MD, MSc

12:18 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-IG03-1

**Discussion on Eye Health—Novel Diabetes Therapies in Diabetic Retinopathy—A Basic Science and Preclinical Perspective**

Room: W207

Chair: Blake Cooper, MD, MPH

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *Novel Therapies in Clinical Trials and Treatment Strategies for Diabetic Retinopathy*  
T. Y. Alvin Liu, MD

11:55 a.m.-12:15 p.m. *Therapies in Development for Diabetic Retinopathy—A Basic Science*  
Thomas W. Gardner, MD, MS

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-IG01-1

**Discussion on Behavioral Medicine and Psychology—Including the Excluded in Behavioral Diabetes Research**

Room: W208

Chair: Marisa E. Hilliard, PhD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:45 a.m. *Recruitment, Retention, and Engagement of Men from Minoritized Racial and Ethnic Groups in Behavioral Diabetes Research*  
Jaclynn M. Hawkins, PhD, MSW

11:45 a.m.-11:55 a.m. *Recruitment, Retention, and Engagement of People with Neurodiversity in Behavioral Research*  
Susana R. Patton, PhD, ABPP, CDCES

11:55 a.m.-12:05 p.m. *Recruitment, Retention, and Engagement of LGBTQIA+ People in Behavioral Research*  
Lauren B. Beach, Esq., JD, PhD

12:05 p.m.-12:30 p.m. *Question and Discussion Period*

**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)—It's Time to Change the Way We Talk about DSMES!**

Room: W308

Chair: Joyce Y. Lee, PharmD, APh, FCCP, BCPS, BCACP, CDCES

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:50 a.m. *Prioritizing Health Equity in Diabetes Overview—Centers for Disease Control and Prevention DP23-0020*  
Leslie Harrison, MPH

11:50 a.m.-12:05 p.m. *Centers for Disease Control and Prevention DSMES Toolkit*  
Melissa Bing, MPH

12:05 p.m.-12:20 p.m. *Centers for Disease Control and Prevention DSMES Playbook—Let's Get to It!*

Betsy Rodriguez, BSN, MSN, CDCES, FADCES

12:20 p.m.-12:30 p.m. *Question and Discussion Period*



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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG02-1

**Discussion on Diabetes in Primary Care—Tackling Diabetes in Primary Care—Training and Workforce Development**

Room: W304 A-D

Chair: Rozalina G. McCoy, MD MS

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-12:00 p.m. *Training Primary Care Providers to Be Diabetes Specialists*  
Jay H. Shubrook, DO

12:00 p.m.-12:25 p.m. *Leveraging Specialty Diabetology within Primary Care*  
Sarah Cote, NP, CDCES, BC-ADM

12:25 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG06-1

**Discussion on Clinical Centers and Programs—Challenges in Management of Diabetes in Older Adults and in Primary Care**

Room: W304 E-H

Chair: Ali A. Rizvi, MD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-12:00 p.m. *Success in Suboptimally Controlled Type 2 Diabetes—The Magic of CGM and Collaboration*  
Andrew Behnke, MD

12:00 p.m.-12:25 p.m. *Challenges in the Management of Diabetes in Older Adults*  
Tali Cukierman-Yaffee, MD, MPH

12:25 p.m.-12:30 p.m. *Question and Discussion Period*

**Workshop**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-WS37-1

**Improving Care for Deaf People with Diabetes Who Use ASL Interpreters—A Hands-On Workshop**

Room: W311

Chair: Michelle L. Litchman, PhD, FNP-BC

11:30 a.m.-11:50 a.m. *Language Access Disparity—The Link between Being Deaf and Having Diabetes*  
Karissa Mirus, MHSA

11:50 a.m.-12:10 p.m. *Best Practices for Working with Deaf Populations and ASL Interpreters*  
Susan Layton, CI, CT, NAD IV

12:10 p.m.-12:30 p.m. *Hands-on Simulation of Working with Deaf Populations and ASL Interpreters*  
Michelle L. Litchman, PhD, FNP-BC  
Jeremy Quiroga

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Development**

*Theme Area: Professional Development*

Session Number: PD-02-1

**Art of Writing a Winning Grant** (*Includes Livestream*)

Room: W307

Chair: William T. Cefalu, MD

11:30 a.m.-11:50 a.m. *Basic Science Perspective*

Primary Speaker: TBD

11:50 a.m.-12:10 p.m. *Clinical/Translational Science Perspective*

Dana Dabelea, MD, PhD

12:10 p.m.-12:30 p.m. *Question and Discussion Period*

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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: ePoster07

**(\* Improving Efficacy and Safety of Incretin-Based Therapies**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Stewart B. Harris, CM, MD, MPH, FCFP, FACPM

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: ePoster08

**(\* Islet Biology**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Joana Almaca, PhD

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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

**ePoster Theater**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: ePoster09

**(\* Exploring Eating Behaviors and Weight Loss in Youth and Adults with Type 1 and Type 2 Diabetes**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Lindsay S. Mayberry, PhD

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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12:30 p.m.-1:30 p.m.  
(continued)

**ePoster Theater**

Theme Area: *Acute and Chronic Complications*

Session Number: ePoster10

**(\*) New Progress in Clinical Screening and Interventions for ASCVD Risk Mitigation in Metabolic Disease**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Jonathan Q. Purnell, MD

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

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

**Session Break**

(Take this opportunity to visit the Exhibit and Poster Halls)

1:30 p.m.-3:00 p.m.

**Debate**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-DB07-1.5

**The Role of Artificial Intelligence in Transforming Nutrition and Diabetes Care—Ready for Prime Time or Not Quite?**

Room: W311

Chair: Barbara Eichorst, MS, RD, CDCES

1:30 p.m.-1:50 p.m. *Yes, the Future Is Now—Harness the Benefits Artificial Intelligence Has to Offer*

Samantha Kleinberg, PhD

1:50 p.m.-2:10 p.m. *Not Quite, but We Are on Our Way to Building the Evidence*

Holly Nicastro, PhD, MPH

2:10 p.m.-2:20 p.m. *Rebuttal*

Samantha Kleinberg, PhD

2:20 p.m.-2:30 p.m. *Rebuttal*

Holly Nicastro, PhD, MPH

2:30 p.m.-3:00 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY32-1.5

**Global Burden of Cardiovascular Disease in People with Diabetes (Includes Livestream)**

Room: W320 (Chapin Theater)

Co-Chairs: Nuha El Sayed, MD, MMSc and Raveendhara Bannuru, MD, PhD, FAGE

1:30 p.m.-1:45 p.m. *Cardiometabolic Disease Introduction and United Kingdom Region*

Kamlesh Khunti, PhD, MD, FRCGP, FRCP, FMedSci

1:45 p.m.-2:00 p.m. *Cardiovascular Disease in China*

Weiping Jia, MD

2:00 p.m.-2:15 p.m. *Cardiovascular Disease in India*

Rakesh Kumar Sahay, MD, DNB, DM

2:15 p.m.-2:30 p.m. *Cardiometabolic Disease in Arabian Gulf Region*

Mohammed Hassanein, FRCP, CCST, MPHIL

2:30 p.m.-3:00 p.m. *Question and Discussion Period*

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR04-1.5

**Continuous Glucose Monitoring—Can It Reduce Hypoglycemia Burden?**

Room: W307

Chair: Ilias (Elias) Spanakis, MD



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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR09-1.5

**Emerging Small Molecule Biomarkers of ASCVD Risk in Metabolic Disease**

Room: W208

Chair: Zsu-Zsu Chen, MD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR02-1.5

**Multifaceted Insights into Behavioral and Psychosocial Care for Youth and Families**

Room: W314

Chair: Lori M. Laffel, MD, MPH

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR06-1.5

**Novel Approaches to Treatment and Characterization of Diabetes in Pregnancy (With Norbert Freinkel Award Lecture) (With ADA Presidents' Select Abstract Presentation) *(Includes Livestream)***

Room: W415B (Valencia Ballroom)

Chair: William L. Lowe, Jr., MD

1:30 p.m.-2:00 p.m.

**Norbert Freinkel Award Lecture**

*Title TBD*

Fidelma P. Dunne, MD, PhD, FRCP, FRCPI

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR08-1.5

**Weighing Opportunities of Incretin-Based Therapy in Obesity (With ADA Presidents' Select Abstract Presentation)**

Room: W415C (Valencia Ballroom)

Chair: Ildiko Lingvay, MD, MPH, MSCS

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR14-1.5

**New Technology—AID Focus**

Room: W315

Chair: Elena Toschi, MD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR05-1.5

**Common and Rare Genetic Variant Associations and MolecularQTL Scans in Type 2 Diabetes  
Tissues**

Room: W207

Chair: Marijana Vujkovic, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR03-1.5

**Metabolic Control of Insulin Action and Secretion** (*Includes Livestream*)

Room: W414

Chair: Young-Bum Kim, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR02-1.5

**Islet Signal Transduction**

Room: W206

Chair: Jeffrey S. Tessem, PhD



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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR02-1.5

**Research Advances in Metabolic Liver Disease**

Room: W308

Chair: Michael R. Rickels, MD, MS

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR04-1.5

**New Insights into Therapeutic Strategies for Obesity and Diabetes**

Room: W304 E-H

Chair: Julio E. Ayala, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR07-1.5

**Novel Modulators of Adipose Tissue Function and Adiposity**

Room: W304 A-D

Chair: Kevin Y. Lee, PhD

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1:30 p.m.-3:00 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: ePoster11

**(\* Type 2 Diabetes—Prevention, Treatment, and Technology**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: TBD

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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1:30 p.m.-3:00 p.m.  
(continued)

**ePoster Theater**

*Theme Area: Epidemiology/Genetics*

Session Number: ePoster12

**(\* Growing Older with Diabetes**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Naveed Sattar, MD, PhD

*(\* Continuing Education Credit Is Not Awarded for this Session.*

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3:15 p.m.-4:00 p.m.

**Kelly West Award for Outstanding Achievement in Epidemiology Lecture** *(Includes Livestream)*

*Lessons Learnt from Epidemiology of Diabetes in South Asians—The Kelly West Lecture 2024*

Viswanathan Mohan, MD, PhD, DSc, FRCP, FNA, FACE, MACP, FRSE

Room: W320 (Chapin Theater)

3:15 p.m.-4:15 p.m.

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY16-1

**The Future of Diabetes Nutrition Interventions—Innovation in Practice** *(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Barbara Eichorst, MS, RD, CDCES

3:15 p.m.-3:35 p.m.     *Nutrition Education and Food Security Resource for American Indians and Alaska Natives—A Multilevel Intervention to Improve Type 2 Diabetes Outcomes*

Sarah A. Stotz, PhD, MS, RDN, CDCES

3:35 p.m.-3:55 p.m.     *Produce Prescription as Intervention Method for Achieving Sustainable Impact on Individual and Community*

Elise Mitchell, MS, MPH

3:55 p.m.-4:15 p.m.     *Gamification of Nutrition Interventions throughout the Lifespan*

Grace E. Shearrer, PhD

**Panel**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-PN10-1

**Educating Clinicians in the Latest Inpatient Management Strategies from Both Sides of the Pond**

Room: W311

Chair: Jane Jeffrie Seley, DNP, MPH, MSN, GNP, BC-ADM, CDCES, FADCES

3:15 p.m.-3:35 p.m.     *The United Kingdom Perspective*

Ketan Dhatariya, MBBS, MSc, MD, MS, FRCP, PhD

3:35 p.m.-3:55 p.m.     *The United States Perspective*

Rodolfo J. Galindo, MD

3:55 p.m.-4:15 p.m.     *Question and Discussion Period*

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3:15 p.m.-4:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR01-1

**Lower Extremity Complications with Systemic Effects**

Room: W206

Chair: Ryan T. Crews, PhD, CCRP

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR05-1

**Physiologic Responses to Hypoglycemia—New Insights**

Room: W207

Chair: David A. Baidal, MD



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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR12-1

**Diabetic Kidney Disease** (Includes Livestream)

Room: W307

Chair: Jennifer A. Schaub, MD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR16-1

**Insights into Diabetic Retinopathy—From Molecular Characterization to Therapeutic Considerations**

Room: W208

Chair: Mohamed Elmasry, MD, PhD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-OR09-1

**Clinical Contributions in Type 1 Diabetes and Exercise**

Room: W314

Chair: Jane E. Yardley, PhD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR19-1

**New Insights and Treatments in Management of Youth with Type 1 Diabetes Mellitus**

Room: W315

Chair: Laura M. Nally, MD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-OR06-1

**Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy**

Room: W304 A-D

Chair: David M. Harlan, MD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR04-1

**Endgame—Oral Abstracts on Beta-Cell Apoptosis (With ADA Presidents' Select Abstract Presentation)** *(Includes Livestream)*

Room: W414

Chair: Danielle Dean, PhD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR03-1

**Novel Pathways in Metabolic Regulation**

Room: W304 E-H

Chair: Mark A. Herman, MD

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3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR09-1

**Risk Factors Reimagined—Beyond Obesity in Metabolic Risk**

Room: W308

Chair: Mary-Elizabeth Patti, MD



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4:30 p.m.-6:00 p.m.

**Panel**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-PN04-1.5

**Diabetic Foot Disparities—Treatment With and Without a Multidisciplinary Team**

Room: W208

Chair: Amanda L. Killeen, DPM, FACPM, CWSP, FFPM RCPS (Glasg)

4:30 p.m.-4:50 p.m.     *How It Looks When It Works—Multidisciplinary Team Approach to Diabetic Foot Infection*

Peter A. Crisologo, DPM, FFPM, RCPS (Glasg)

4:50 p.m.-5:10 p.m.     *Practicing as an Island—When a Multidisciplinary Team Isn't Available*  
Vilayvanh Saysoukha, DPM

5:10 p.m.-5:30 p.m.     *From Home to Hospital—A Paramedic's Perspective on the Diabetic Foot*  
Andrew J. Torres, NRP, CP

5:30 p.m.-6:00 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY03-1.5

**Survey Says—Psychosocial Screening Tools and Their Psychometric Properties for Youth and Adults with Diabetes**

Room: W314

Chair: Marisa E. Hilliard, PhD

4:30 p.m.-5:00 p.m.     *Screening Tools for Executive Function*  
Jessie J. Wong, PhD

5:00 p.m.-5:30 p.m.     *Screening Tools for Depression*  
Jeffrey S. Gonzalez, PhD

5:30 p.m.-6:00 p.m.     *Screening Tools for Anxiety Disorders*  
Holly K. O'Donnell, PhD

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY12-1.5

**Mind the Gap—Health Benefits of Exercise in Women With or at Risk for Diabetes (*Includes Livestream*)**

Room: W307

Chair: Lia Bally, MD, PhD

4:30 p.m.-4:55 p.m.     *Exercise and Health in Women with Diabetes through the Lifespan*  
Cuilin Zhang, MD, PhD

4:55 p.m.-5:20 p.m.     *Exercise for the Prevention/Management of Type 2 Diabetes in Breast Cancer Survivors*  
Sam Orange, PhD

5:20 p.m.-5:45 p.m.     *Mechanism Underlying the Benefits of Maternal Exercise on Offspring Health*

Laurie Goodyear, PhD

5:45 p.m.-6:00 p.m.     *Question and Discussion Period*

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4:30 p.m.-6:00 p.m.  
(continued)

**Debate**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-DB05-1.5

**Keeping Up with Hollywood—Who Should Be Prioritized for New Antiobesity Medications?**

Room: W308

Chair: Caroline K. Kramer, MD, PhD

- 4:30 p.m.-4:40 p.m.     *The Person Who Has Already Benefited from the Medication*  
Deborah Horn, DO, MPH, MFOMA
- 4:40 p.m.-4:50 p.m.     *The Person with Overweight and Cardiovascular Disease*  
Pam R. Taub, MD, FACC, FASPC
- 4:50 p.m.-5:00 p.m.     *The Person with Class 3 Obesity and No Comorbidities*  
Neda Rasouli, MD
- 5:00 p.m.-5:05 p.m.     *Rebuttal*  
Deborah Horn, DO, MPH, MFOMA
- 5:05 p.m.-5:10 p.m.     *Rebuttal*  
Pam R. Taub, MD, FACC, FASPC
- 5:10 p.m.-5:15 p.m.     *Rebuttal*  
Neda Rasouli, MD
- 5:15 p.m.-5:30 p.m.     *The Health Economics Perspective*  
William H. Herman, MD, MPH
- 5:30 p.m.-6:00 p.m.     *Question and Discussion Period*

**Panel**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-PN17-1.5

**Prioritizing Diversity in Clinical Trials**

Room: W315

Chair: Viral N. Shah, MD

- 4:30 p.m.-4:50 p.m.     *Lack of Equitable Representation in Clinical Trials Compounds Disparities*  
Nana-Hawa Yayah Jones, MD
- 4:50 p.m.-5:10 p.m.     *The Importance of Diversity from the Regulatory Perspective*  
Dolly Misra, MD
- 5:10 p.m.-5:30 p.m.     *Equitable Science Is Good Science—The Importance of Diversity from the PI's Perspective*  
Ananta Addala, DO, MPH
- 5:30 p.m.-5:50 p.m.     *The Importance of Diversity from the Advocacy Perspective*  
Kyle Banks
- 5:50 p.m.-6:00 p.m.     *Question and Discussion Period*

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4:30 p.m.-6:00 p.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY02-1.5

**Controversies in Continuous Glucose Monitoring (CGM) Use during Pregnancy—Time in Range and Beyond Time in Range**

Room: W415C (Valencia Ballroom)

Chair: Emily D. Szmuilowicz, MD, MS

4:30 p.m.-4:50 p.m. *Time in Range vs. Conventional Fasting/Postprandial Targets—Which Should Take Precedence?*

Sarit Polsky, MD, MPH

4:50 p.m.-5:10 p.m. *Confronting A1C in the Era of Continuous Glucose Monitoring (CGM)*

Claire L. Meek, MB, ChB, MRCP, FRCPath, PhD

5:10 p.m.-5:30 p.m. *Time in Range and Beyond Time in Range—Which Continuous Glucose Monitoring Metrics to Follow during Pregnancy, and What Should the Targets Be?*

Ashley Battarbee, MD, MSCR

5:30 p.m.-5:50 p.m. *Glycemic Targets in Early vs. Late Gestation as a Predictor of Fetal Overgrowth*

Eleanor M. Scott, BM, BS, MD, FRCP

5:50 p.m.-6:00 p.m. *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY31-1.5

**Multiple Faces of Therapeutic Inertia in Diabetes**

Room: W311

Chair: Alexander Turchin, MD, MS

4:30 p.m.-4:50 p.m. *Therapeutic Inertia in Treatment of Diabetes—Are We Making Progress?*  
Steven Edelman, MD

4:50 p.m.-5:10 p.m. *The Other End of the Spectrum—Therapeutic Inertia in Treatment of Hypoglycemia*

Stewart B. Harris, CM, MD, MPH, FCFP, FACPM

5:10 p.m.-5:30 p.m. *Therapeutic Inertia Is Not Just About Medications—Lifestyle Counseling in Diabetes*

Huabing Zhang, MD

5:30 p.m.-5:50 p.m. *When Patients Decline Diabetes Treatment Recommendations*  
William H. Polonsky, PhD, CDCES

5:50 p.m.-6:00 p.m. *Question and Discussion Period*



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4:30 p.m.-6:00 p.m.  
(continued)

**Symposium**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-SY03-1.5

**Big P, Little P—Diabetes Policies for Public Health**

Room: W207

Chair: Gabriel Shaibi, PhD

- 4:30 p.m.-4:50 p.m.     *Global Policies for Diabetes Prevention—Successful Policies and Proposed Action Plans*  
Jennifer Manne-Goehler, MD, ScD
- 4:50 p.m.-5:10 p.m.     *Medicaid Expansion (or Lack Thereof) and Diabetes Health Outcomes*  
Primary Speaker: TBD
- 5:10 p.m.-5:30 p.m.     *State-Level Policies That Promote Diabetes Prevention and Successful Disease Management*  
Matthew J. O'Brien, MD, MSc
- 5:30 p.m.-5:50 p.m.     *Working to Prevent Diabetes—Workplace Policies in Canada That Promote Health*  
Diana Sherifali, PhD, RN, CDE
- 5:50 p.m.-6:00 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-SY07-1.5

**Long-Term Goals and Challenges for Beta-Cell Replacement Therapy (Includes Livestream)**

Room: W414

Chair: Edward Phelps, PhD

- 4:30 p.m.-4:50 p.m.     *Sites for Delivery*  
Melanie L. Graham, PhD, MPH
- 4:50 p.m.-5:10 p.m.     *Porcine/Xeno Approaches*  
Rita Bottino, PhD
- 5:10 p.m.-5:30 p.m.     *Induction of Long-Term Tolerance*  
Norma Sue Kenyon, PhD
- 5:30 p.m.-5:50 p.m.     *Role for Basic Science/Animal Models*  
Eckhard Wolf, PhD
- 5:50 p.m.-6:00 p.m.     *Question and Discussion Period*



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4:30 p.m.-6:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR03-1.5

**Beta-Cell Blueprints—Oral Abstracts on Islet Development and Postnatal Growth**

Room: W206

Chair: Ronadip R. Banerjee, MD, PhD





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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY21-1.5

**Cost and Quality—Improving Diabetes Care and the Cost of Ongoing Inequities**

Room: W311

Chair: TBD

- 8:00 a.m.-8:20 a.m.     *Virtual Peer Groups in Adolescents and Young Adults with Type 1 Diabetes*  
Jennifer Raymond, MD, MCR
- 8:20 a.m.-8:40 a.m.     *Improving Diabetes Outcomes and Reducing Inequities through  
Collaboration—Perspective from the T1D Exchange*  
Osagie Ebekozien, MD, MPH, CPHQ
- 8:40 a.m.-9:00 a.m.     Insurance Coverage, Medical Costs and Productivity Loss among Working  
Age Adults with Diabetes  
Primary Speaker: TBD
- 9:00 a.m.-9:20 a.m.     *Disparities in Diabetes Prevalence and Management*  
Saria Hassan, MD, MPH
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY22-1.5

**Towards Innovative and Equitable Care in Youth-Onset Type 2 Diabetes**

Room: W315

Chair: Sheela N. Magge, MD, MSCE

- 8:00 a.m.-8:20 a.m.     *Advances in Pathophysiology and Novel Treatments in Youth-Onset  
Type 2 Diabetes*  
Stephanie T. Chung, MBBS
- 8:20 a.m.-8:40 a.m.     *Diabetes Care Technology Use and Barriers in Youth-Onset Type 2  
Diabetes*  
Laya Ekhlaspour, MD
- 8:40 a.m.-9:00 a.m.     *The Genetics of Youth-Onset Type 2 Diabetes—Where Are We and What  
Lies Ahead?*  
Jennifer N. Todd, MD
- 9:00 a.m.-9:20 a.m.     *New Insights into Pathophysiology and Screening of Early Microvascular  
Complications in Youth-Onset Type 2 Diabetes*  
Risa M. Wolf, MD
- 9:20 a.m.-9:30 a.m.     *Question and Discussion Period*





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8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY04-1.5

**Beyond the Scale—Exploring Causes and Consequences of Weight Fluctuation** (*Includes Livestream*)

Room: W307

Chair: Siegfried Ussar, PhD

8:00 a.m.-8:30 a.m. Immune Cell Memory and Weight Cycling  
Heather Caslin, PhD

8:30 a.m.-9:00 a.m. *Signs of Antiaging in Lifestyle Interventions*  
Iris Shai, PhD

9:00 a.m.-9:30 a.m. *Nutrient Uptake and Metabolism during Weight Loss*  
Marcus DaSilva Goncalves, MD, PhD

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY50-1.5

**Title: TBD**

Room: W320 (Chapin Theater)

Chair: TBD

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8:00 a.m.-9:30 a.m.  
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-OR15-1.5

**New Technology—Continuous Glucose Monitoring**

Room: W314

Chair: Ebne Rafi, PharmD

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

**Outstanding Scientific Achievement Award Lecture** *(Includes Livestream)*

*Insulin and Instructions—How the Epigenome Directs Diabetes*  
Stephen C.J. Parker, PhD

and

**Banting Medal for Scientific Achievement Award Lecture** *(Includes Livestream)*

*The Science of Diabetes and A Life of Trials*  
Rury R. Holman MBChB, FRCP(Lond.), FMedSci

Room: West Hall B3-4 (General Session)

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—Enhancing Clinic Efficiency through the Integration of Diabetes Technologies**

Room: W304 A-D

Chair: Viral N. Shah, MD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:45 a.m. *Overview of Currently Available Technologies and Downloading Platforms*  
Laya Ekhlaspour, MD

11:45 a.m.-11:55 a.m. *Outpatient Clinic Flow for Efficient Work Order*  
Halis K. Akturk, MD

11:55 a.m.-12:05 p.m. *Efficient Workflow for Inpatient Technology Use*  
Estelle M. Everett, MD, MHS

12:05 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG04-1

**Discussion on Health Care Delivery and Quality Improvement**

Room: W304 E-H

Chair: Francisco J. Pasquel, MD, MPH

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *An Algorithm for Preoperative Management of Diabetes in Elective Surgery Patients*

Ketan Dhatariya, MBBS, MSc, MD, MS, FRCP, PhD

11:55 a.m.-12:15 p.m. *Designing a Program for Preoperative Management of Diabetes*  
Rajesh K. Garg, MD

12:15 p.m.-12:30 p.m. *Question and Discussion*

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11:30 a.m.-12:30 p.m.  
(continued)

**Professional Interest Group**

*Theme Area: Epidemiology/Genetics*

Session Number: EG-IG01-1

**Discussion on Public Health and Epidemiology—Kids Are Not Little Adults—Challenges and Opportunities in the Use of Pharmacotherapy for Youth With and at Risk for Type 2 Diabetes**

Room: W207

Chair: Noël C. Barengo, MD, PhD, MPH

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:55 a.m. *Role of Antiobesity Pharmacotherapy in Youth With and At Risk for Type 2 Diabetes*

Megan Oberle Bensingor, MD, MSHP

11:55 a.m.-12:15 p.m. *Moving Beyond Insulin and Metformin—Learning from Adult Experience to Improve Care for Youth with Type 2 Diabetes*

Mary Ellen Vajravelu, MD, MSHP

12:15 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**

*Theme Area: Immunology/Beta-Cell Replacement*

Session Number: IBC-IG01-1

**Discussion on Immunology/Beta-Cell Replacement—Beta-Cell Stressors, Autoantigen Targets, and How This Provokes Immune Attack**

Room: W206

Chair: Meaghan Stumpf, MD

11:30 a.m.-11:35 a.m. *Introduction*

11:35 a.m.-11:50 a.m. *Dissecting the Autoimmune T-Cell Repertoires in Type 1 Diabetes*

Alok Joglekar, PhD

11:50 a.m.-12:05 p.m. *Beta-Cell Adaptive Stress Response and Immune System Cross Talk in Diabetes*

Amelia K. Linnemann, PhD

12:05 p.m.-12:20 p.m. *Stress-Induced Pathways in Beta Cells Increase Immune Perception of Pancreatic Islets—Implications for Type 1 Diabetes*

Aisha Callebut, PhD

12:20 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Development**

*Theme Area: Professional Development*

Session Number: PD-03-1

**Negotiations (Includes Livestream)**

Room: W307

Chair: Jane E.B. Reusch, MD

11:30 a.m.-12:10 p.m. *Getting The Career You Envision—How To Negotiate For What You Need (And Want)*

Judith G. Regensteiner, PhD

12:10 p.m.-12:30 p.m. *Question and Discussion Period*

84<sup>th</sup> SCIENTIFIC SESSIONS PROGRAM

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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

Theme Area: *Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: ePoster13

**(\* Tailoring Diabetes Self-Management Education to Improve Success**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: TBD

*(\* Continuing Education Credit Is Not Awarded for this Session.*



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11:30 a.m.-12:30 p.m.  
(continued)

**ePoster Theater**

Theme Area: *Obesity/Integrated Physiology*

Session Number: ePoster14

**(\*) Research Advances in Metabolic Regulation**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Daisy Duan, MD

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

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

**ePoster Theater**

Theme Area: *Clinical Diabetes/Therapeutics*

Session Number: ePoster15

**(\* Creative Strategies for Care Improvement**

Room: Exhibit Hall (West A1-A3) ePoster Theater A

Moderator: Jessica L. Harding, PhD

***(\* Continuing Education Credit Is Not Awarded for this Session.***

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

**ePoster Theater**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: ePoster16

**(\*) Hepatocytes, Adipocytes, Beta cells, Oh My!**

Room: Exhibit Hall (West A1-A3) ePoster Theater B

Moderator: Erin E. Mulvihill, PhD

*(\*) Continuing Education Credit Is Not Awarded for this Session.*

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

**Session Break**

(Take this opportunity to visit the Exhibit and Poster Halls)

1:30 p.m.-3:00 p.m.

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY06-1.5

**Demystifying Impaired Awareness of Hypoglycemia—Diagnosis, Experience, and Treatment in the Real World**

Room: W207

Chair: Alexandria Ratzki-Leewing, PhD

1:30 p.m.-2:00 p.m.     *Impaired Awareness of Hypoglycemia—Screening and Diagnosis in Clinical Practice*

Scott J. Pilla, MD, MHS

2:00 p.m.-2:30 p.m.     *Evidence-Based Interventions to Restore Awareness of Hypoglycemia*  
Jeremy Pettus, MD

2:30 p.m.-3:00 p.m.     *Living with Impaired Awareness of Hypoglycemia—What People Living with Diabetes Wish You Knew*

Eva Kathmann, PhD

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY09-1.5

**How Diabetes Technology Is Changing Diabetes Care in the Real World**

Room: W311

Chair: Michelle D. Stancil, MS, BSN, RN, CDCES

1:30 p.m.-2:00 p.m.     *Don't Say No to Continuous Glucose Monitors in Primary Care*

Caitlin Nass, MSN, CRNP

2:00 p.m.-2:30 p.m.     *Implementation of Remote Patient Monitoring in Rural Settings—Barriers and Facilitators*

Emily E. Johnson, PhD

2:30 p.m.-3:00 p.m.     *How Connected Insulin Pens and Caps Are Facilitating Precision Insulin Management*

Janice MacLeod, MA, RD, CDCES, FADCES

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1:30 p.m.-3:00 p.m.  
(continued)

**Symposium**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-SY17-1.5

**Nutrition and Diabetes Self-Management Education and Support (DSMES)**

Room: W415C (Valencia Ballroom)

Chair: Barbara Eichorst, MS, RD, CDCES

1:30 p.m.-2:00 p.m.     *Collaborations between Providers and DCES's—Bringing Standards of Care Alive*

Louis H. Philipson, MD, PhD, FACP

Amy Hess-Fischl, MS, RDN, LDN, BC-ADM, CDCES

2:00 p.m.-2:15 p.m.     *Integrating Therapeutic Education into Obesity Interventions*

Zoltan Pataky, MD

2:15 p.m.-2:30 p.m.     *Culturally Sensitive Conversations When Approaching Nutrition Changes*

Victoria Bouhairie, MD, DipACLM

2:30 p.m.-2:45 p.m.     *Integrating Multidisciplinary Team in Diabetes Management—Germany Perspective*

Peter E.H. Schwarz, PhD

2:45 p.m.-3:00 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY07-1.5

**Impact of Precision Medicine on Diabetes**

Room: W314

Chair: Anna L. Gloyn, DPhil

1:30 p.m.-2:00 p.m.     *How Is Precision Medicine Changing the Paradigm in Type 1 Diabetes?*

Chantal Mathieu, MD, PhD

2:00 p.m.-2:30 p.m.     *How Is Precision Medicine Changing the Paradigm in Type 2 Diabetes?*

Jose C. Florez, MD, PhD

2:30 p.m.-3:00 p.m.     *How Is Precision Medicine Changing the Paradigm in Monogenic Diabetes?*

Rochelle N. Naylor, MD

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1:30 p.m.-3:00 p.m.  
(continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY20-1.5

**Just Do It—Incorporating What We Know into What We Do**

Room: W315

Chair: Amisha Wallia, MD, MS

- 1:30 p.m.-1:50 p.m.     *EHR-Based Tools to Overcome Therapeutic Inertia and Improve Health Equity in Diabetes Technology Prescriptions*  
Brittany S. Bruggeman, MD
- 1:50 p.m.-2:10 p.m.     *REALITY Check—Preventing Diabetes in the “Real World”—Early Findings of the Real-World Effectiveness of Interventions of the Type 2 Diabetes Mellitus Prevention Network*  
Tannaz Moin, MD, MBA, MSHS
- 2:10 p.m.-2:30 p.m.     *The Michigan Collaborative for Type 2 Diabetes*  
Lauren Oshman, MD, MPH
- 2:30 p.m.-2:50 p.m.     *Screening for Type 1 Diabetes—From Evidence*  
Laura M. Jacobsen, MD
- 2:50 p.m.-3:00 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY26-1.5

**ADA Diabetes Care/Diabetes/Diabetologia Symposium—The Heterogeneity of Type 1 Diabetes—Pathogenesis, Treatment, and Prevention (Includes Livestream)**

Room: W320 (Chapin Theater)

Co-Chairs: Hindrik Mulder, MD, PhD and David A. D’Alessio, MD

- 1:30 p.m.-1:45 p.m.     *Beta-Cell Pathology in Type 1 Diabetes—Immune, Inflammatory, Functional*  
Primary Speaker: TBD
- 1:45 p.m.-2:00 p.m.     *Insulin Replacement in Type 1 Diabetes—Needles, Pumps, and Islets*  
Primary Speaker: TBD
- 2:00 p.m.-2:15 p.m.     *The Emerging Spectrum of Strategies to Prevent Type 1 Diabetes*  
Primary Speaker: TBD
- 2:15 p.m.-3:00 p.m.     *Question and Discussion Period*









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1:30 p.m.-3:00 p.m.  
(continued)

**Oral Presentations**

*Theme Area: Insulin Action/Molecular Metabolism*

Session Number: IA-OR04-1.5

**Revving Up the Adipose to Impact Insulin Sensitivity and Glucose Homeostasis**

Room: W304 A-D

Chair: Mary Teruel, PhD

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3:15 p.m.-4:15 p.m.

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY11-1

**Cardiovascular Disease Risk Prediction in Obesity and Type 2 Diabetes—Emerging Tools for the Clinician**

Room: W206

Chair: Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC

3:15 p.m.-3:35 p.m. *High-Risk Cardiovascular Disease Phenotypes in Obesity—Beyond Body Mass Index*

Marie-Eve Piché, MD, PhD, FRCPC, FAHA

3:35 p.m.-3:55 p.m. *Predicting Risk for Heart Failure in Type 2 Diabetes—Insights from the TRS-HFDM and WATCH-DM Risk Scores*

Ambarish Pandey, MD, MSCS

3:55 p.m.-4:15 p.m. *Predicting Risk for Atherosclerotic Cardiovascular Disease in Type 2 Diabetes—Insights from SCORE2-Diabetes Risk Score*

Primary Speaker: TBD

**Ask the Expert**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-AE04-1

**The Highs and Lows of Cannabis Use in Diabetes—Behavioral and Psychosocial Considerations**

Room: W314

Chair: Elizabeth A. Beverly, PhD

3:15 p.m.-3:35 p.m. *The Highs and Lows of Cannabis Use in Diabetes—Overview and Landscape of Use*

Jay H. Shubrook, DO

3:35 p.m.-3:55 p.m. *The Highs and Lows of Cannabis Use in Diabetes—Associations between CBD, THC, or CBD+THC Use vs. Nonuse on Insulin Sensitivity, Inflammation, and Behavior*

Angela Bryan, PhD

3:55 p.m.-4:15 p.m. *The Highs and Lows of Cannabis Use in Diabetes—Behavioral and Psychosocial Considerations*

Halis K. Akturk, MD

**Panel**

*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*

Session Number: BM-PN11-1

**Are We Close to Closing the Loop? Automated Insulin Delivery during Exercise**

Room: W415C (Valencia Ballroom)

Chair: Michael C. Riddell, PhD

3:15 p.m.-4:15 p.m. *Are We Close to Closing the Loop? Automated Insulin Delivery during Exercise*

Rémi Rabasa-Lhoret, MD, PhD

Aude Bandini, PhD

Chiara Dalla Man, PhD

Dale Morrison, PhD

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3:15 p.m.-4:15 p.m.  
(continued)

**Debate**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-DB04-1

**Early Abnormal Glucose Metabolism in Pregnancy—To Treat or Not to Treat**

Room: W311

Chair: Erin S. LeBlanc, MD, MPH

3:15 p.m.-3:35 p.m.     *PRO—Early Abnormal Glucose Metabolism in Pregnancy SHOULD Be Treated*

David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)

3:35 p.m.-3:55p.m.     *CON—Early Abnormal Glucose Metabolism in Pregnancy SHOULD NOT Be Treated*

Lorie M. Harper, MD, MSCI

3:55 p.m.-4:00 p.m.     *Rebuttal*

David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)

4:00 p.m.-4:05 p.m.     *Rebuttal*

Lorie M. Harper, MD, MSCI

4:05 p.m.-4:15 p.m.     *Question and Discussion Period*

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY25-1

**Improving Culture of Quality in Pediatric Centers—Lessons from the Type 1 Diabetes Exchange Quality Improvement Collaborative**

Room: W315

Chair: Eda Cengiz, MD, MHS

3:15 p.m.-3:35 p.m.     *Increasing Insulin Pump Utilization in Public-Insured Patients*  
Anna Cymbaluk, MD

3:35 p.m.-3:55 p.m.     *Current Approaches to Addressing Racial Equity—Insights from the T1D Exchange Q1 Collaborative*  
Trevon Wright, MHA

3:55 p.m.-4:15 p.m.     *Data-Driven Predictions to Determine High-Risk Patients with Type 1 Diabetes*  
Mark A. Clements, MD, PhD





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3:15 p.m.-4:15 p.m.  
(continued)

**Panel**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-PN01-1

**Leptin, 30 Years Later**

Room: W304 E-H

Chair: Jeffrey S. Flier, MD

3:15 p.m.-4:15 p.m.      Leptin, 30 Years Later  
   Martin G. Myers, Jr., MD, PhD  
   Stephanie Fulton, PhD  
   Philipp E. Scherer, PhD  
   Rudolph L. Leibel, MD

**Panel**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-PN09-1

**Ripple Effects after the Advent of Highly Effective Antiobesity Pharmacotherapy—  
Pharmacoequity in the United States**

Room: W308

Chair: Jessica Schwartz, MD, MHS

3:15 p.m.-3:35 p.m.      *Principles of Pharmacoequity*  
   Utibe Essien, MD, MPH

3:35 p.m.-3:55 p.m.      *Antiobesity Medication Access on the Clinical Frontlines*  
   Kristina H. Lewis, MD, MPH, SM

3:55 p.m.-4:15 p.m.      *Economic and Public Policy Considerations in the United States*  
   Alison Ward, PhD

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY46-1

**Results from a Randomized Trial of Intensive Glucose Management Using Continuous Glucose  
Monitoring (CGM) Versus Usual Care in Hospitalized Adults with Type 2 Diabetes—The TIGHT  
Study (Includes Livestream)**

Room: W320 (Chapin Theater)

Chair: Celia C. Low Wang, MD

3:15 p.m.-3:26 p.m.      *Study Background and Rationale*  
   Boris Draznin, MD, PhD

3:26 p.m.-3:37 p.m.      *Study Methods*  
   Jagdeesh Ullal, MD, MS, FACE, FACP, ECNU

3:37 p.m.-3:48 p.m.      *Study Results*  
   Guillermo Umpierrez, MD, CDCES, MACP, FACE

3:48 p.m.-3:59 p.m.      *Discussion of Results and Conclusions*  
   Irl B. Hirsch, MD

3:59 p.m.-4:15 p.m.      *Question and Discussion Period*