Virtual Scientific Sessions Program

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Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

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

Mini-Symposium
Theme Area: Acute and Chronic Complications
Debate—Technology Alone Can Solve the Problem of Hypoglycemia in Diabetes
Chair: Belinda P. Childs, APRN, MN, BC-ADM, CDE
11:30 a.m.-12:00 p.m.  For—Technology Alone Can Solve the Problem of Hypoglycemia
                    Richard M. Bergenstal, MD
12:00 p.m.-12:30 p.m.  Against—Technology Alone Can Solve the Problem of Hypoglycemia
                    Emma G. Wilmot, MD

Mini-Symposium
Theme Area: Acute and Chronic Complications
Is a Routine Lipid Panel Sufficient for Determining Cardiovascular Risk?
Chair: Alan Chait, MD
11:30 a.m.-12:00 p.m.  When Should You Order Advanced Lipoprotein Testing?
                    Ronald M. Krauss, MD
12:00 p.m.-12:30 p.m.  When Should You Order Coronary Calcium Scans?
                    Matthew Budoff, MD

Mini-Symposium
Theme Area: Acute and Chronic Complications
Sex Differences in Renal and Cardiovascular Disease in Diabetes
Chair: Susanne Nicholas, MD, MPH, PhD
11:30 a.m.-12:00 p.m.  Pathophysiology of Sex Differences in Micro- and Macrovascular Complications in Diabetes Mellitus
                    Christine Maric-Bilkan, PhD
12:00 p.m.-12:30 p.m.  Is There a Role of Sex in the Progression of Renal and Cardiovascular Disease in Diabetes?
                    Joel Neugarten, MD, JD

Mini-Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Improving Type 1 Diabetes Management in Young Adults—Time to (Re)Strategize?
Chair: Jessica Pierce, PhD
11:30 a.m.-11:50 a.m.  “Adulting” with Diabetes—Things to Teach the Hard to Reach
                    Persis V. Commissariat, PhD
11:50 a.m.-12:10 p.m.  The Simple Magic of Peer Connections in Type 1 Diabetes—Lessons from the College Diabetes Network
                    Anna Floreen Sabino, MSW, CDCES
12:10 p.m.-12:30 p.m.  Using Lived Experiences as a Mechanism for Engagement in Diabetes Care
                    Jennifer Saylor, PhD, APRN, ACNS-BC

Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

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

Mini-Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
2018 Physical Activity Guidelines for Americans
Chair: Sheri Colberg, PhD, FACSM
11:30 a.m.-12:00 p.m. What Are the 2018 Physical Activity Guidelines for People of All Ages?
Katrina L. Piercy, PhD, RD, ACSM-CEP
12:00 p.m.-12:30 p.m. How Applicable Are the 2018 Physical Activity Guidelines to Youth and Adults with Diabetes?
Ronald J. Sigal, MD, MPH, FRCPC

Mini-Symposium
Theme Area: Clinical Diabetes/Therapeutics
Female Sexual Dysfunction in Diabetes—Therapeutic Interventions
Chair: Diana Sherifali, PhD, RN, CDE
11:30 a.m.-12:00 p.m. Female Sexual Dysfunction—Pharmacological Interventions
Alice Y.Y. Cheng, MD, FRCPC
12:00 p.m.-12:30 p.m. Female Sexual Dysfunction—Sex Counseling Therapy Evidence
Sharon J. Parish, MD

Mini-Symposium
Theme Area: Epidemiology/Genetics
Diabetes and Genetic Predictors in Ethnically Diverse Populations
Chair: James B. Meigs, MD, MPH
11:30 a.m.-12:00 p.m. Genetic Factors Influencing Complex Metabolic Traits in Ethnically Diverse Africans
Sarah A. Tishkoff, PhD
12:00 p.m.-12:30 p.m. Precision Diabetes Genetic Medicine in Asia—The Taichung Experience
Wayne H-H Sheu, MD, PhD

Mini-Symposium
Theme Area: Immunology/Transplantation
Bioengineered Cell Therapy for Diabetes
Chair: Nayara Leite, PhD
11:30 a.m.-11:50 a.m. Generation and Analysis of Immune Cloaked Beta Cells from Human Stem Cells
Audrey Parent, PhD
11:50 a.m.-12:10 p.m. Islet Microchip Technology
Maike Sander, MD
12:10 p.m.-12:30 p.m. Islet Bioprinting
Francesca Spagnoli, MD, PhD

Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

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

Mini-Symposium
Theme Area: Insulin Action/Molecular Metabolism
The Randle Debate—The Effects of Dietary Carbohydrate, Fat, and Calorie Intake on Metabolic Disease
Chair: Peter A. Crawford, MD, PhD
11:30 a.m.-11:50 a.m. Dietary Fat as a Cause of Metabolic Disease
Sarah Hallberg, DO, MS, ACSM-CEP, FOMA, FNLA
11:50 a.m.-12:10 p.m. Dietary Carbohydrate as a Cause of Metabolic Disease
Barbara E. Corkey, PhD
12:10 p.m.-12:30 p.m. Dietary Quality and Calories as a Cause of Metabolic Disease
Kevin D. Hall, PhD

Mini-Symposium
Theme Area: Integrated Physiology/Obesity
Debate—Metabolic Changes Related to Alteration in Circadian Rhythm
Chair: Maren Laughlin, PhD
11:30 a.m.-11:50 a.m. Point—It’s All about Sleep
Josiane L. Broussard, PhD
11:50 a.m.-12:10 p.m. Counterpoint—It’s All about Food
Andrew W. McHill, PhD
12:10 p.m.-12:20 p.m. Rebuttal
Josiane L. Broussard, PhD
12:20 p.m.-12:30 p.m. Rebuttal
Andrew W. McHill, PhD

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

Mini-Symposium
Theme Area: Acute and Chronic Complications
Male Sexual Dysfunction in Diabetes
Chair: Andrew J.M. Boulton, MD, DSc (Hon), FACP, FICP, FRCP
12:45 p.m.-1:15 p.m. Erectile Dysfunction in Diabetes—Epidemiology, Pathogenesis, and Psychological Aspects
Aruna V. Sarma, PhD
1:15 p.m.-1:45 p.m. Medical Management of Erectile Dysfunction
Deepak K. Jumani, MBBS, FCGP
FRIDAY, JUNE 12, 2020

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

Mini-Symposium
Theme Area: Acute and Chronic Complications
The Future Is Now—Designing Smarter Trials for Cardiovascular Protection in Diabetes
Chair: Sanjay Kaul, MD, FACC, FAHA
12:45 p.m.-12:57 p.m. 2008 FDA Guidelines on Antidiabetic Therapies Has Served Its Purpose—Time to Move On
Milton Packer, MD
12:57 p.m.-1:09 p.m. 2008 FDA Guidelines on Antidiabetic Therapies Is Still Relevant
Steven Nissen, MD
1:09 p.m.-1:24 p.m. What Are the Gaps in the Evidence, and How to Target Them?
Ann Marie Navar, MD, PhD
1:24 p.m.-1:45 p.m. Panel Discussion
Bruce M. Psaty, MD, PhD
Peter Stein, MD
Lisa Yanoff, MD

Mini-Symposium
Theme Area: Acute and Chronic Complications
Functional Outcomes in Diabetic Foot following Amputation
Chair: Adam E. Fleischer, DPM, MPH, FACFAS
12:45 p.m.-1:15 p.m. High- vs. Low-Level Amputations
George T. Liu, DPM, FACFAS
1:15 p.m.-1:45 p.m. Advancements in Prosthetic Devices
Phillip Stevens, MEd, CPO

Mini-Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
The Weight-Neutral Approach in Diabetes Management
Chair: Patti Urbanski, MEd, RD, LD, CDE
12:45 p.m.-1:15 p.m. Definition and Benefits of a Weight-Neutral Approach
Erin Phillips, MPH, RDN, CDE
1:15 p.m.-1:45 p.m. Implementing Weight-Neutral Care in Diabetes Management
Holly Paulsen, RD, CEDRD-S, LD

Mini-Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Creative Mealtime Boluses for Pumps and Multiple Daily Injections
Chair: Gary Scheiner, MS, CDE
12:45 p.m.-1:15 p.m. Creative Insulin Pump Bolusing—Practice Makes Perfect
Margaret Pellizzari, MBA, MS, RN, CDCES, CDT, FDCES
1:15 p.m.-1:45 p.m. Optimizing Mealtime Insulin Dosing for Patients on Multiple Daily Injections—High-Fat Meals and More
Amy Hess Fischl, MS, RDN, LDN, BC-ADM, CDE

Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

12:45 p.m.-1:15 p.m.
(continued)

Mini-Symposium
Theme Area: Clinical Diabetes/Therapeutics

Strategies and Tools to Improve the Transition from Pediatric to Adult Diabetes Care
Chair: Lori M. Laffel, MD, MPH
12:45 p.m.-1:15 p.m.  A U.S. Perspective
                      Robert S. Zimmerman, MD
1:15 p.m.-1:45 p.m.  A Canadian Perspective
                      Sonia Butalia, BSc, MD, FRCPC, MSc (epi)

Mini-Symposium
Theme Area: Clinical Diabetes/Therapeutics

Diabetes and Pregnancy and the Use of Oral Agents
Chair: Camille E. Powe, MD
12:45 p.m.-1:15 p.m.  Type 2 Diabetes in Pregnancy—A Growing Concern—Is Metformin the Answer?
                      Denice Feig, MD, MSc, FRCPC
1:15 p.m.-1:45 p.m.  Oral Agents for Gestational Diabetes Mellitus—Are We Stuck Using Insulin?
                      Linda (Lynn) A. Barbour, MD, MSPH, FACP

Mini-Symposium
Theme Area: Epidemiology/Genetics

Debate—Can We Rely on Nutrition Science for Diabetes and Cardiovascular Disease?
Chair: Nita Forouhi, MD, PhD
12:45 p.m.-1:15 p.m.  No, and Why Not—A Critique of Diet-Centrism
                      Edward Archer, PhD
1:15 p.m.-1:45 p.m.  Yes, and Why So
                      Walter C. Willett, MD

Mini-Symposium
Theme Area: Immunology/Transplantation

Combination Immunotherapy to Preserve Beta-Cell Function in Type 1 Diabetes
Chair: Aaron W. Michels, MD
12:45 p.m.-1:15 p.m.  Combination Immune Therapies in Type 1 Diabetes—What Have We Tried?
                      Peter Gottlieb, MD
1:15 p.m.-1:45 p.m.  Combination Immune Therapies in Type 1 Diabetes—Where Do We Go Next?
                      Linda DiMeglio, MD, MPH

Mini-Symposium
Theme Area: Integrated Physiology/Obesity

The Banting Exchange—Diabetes Discovery—How the Past Informs the Future
Chair: Michael P. Czech, PhD
12:45 p.m.-1:15 p.m.  Is Beta-Cell Failure Reversible?
                      Domenico Accili, MD
1:15 p.m.-1:45 p.m.  Can Lipids Improve Insulin Resistance and Beta-Cell Function?
                      Barbara B. Kahn, MD

Information is subject to change. Sessions current as of 4/30/20.
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12:45 p.m.-1:45 p.m.  
(continued)

Mini-Symposium  
Theme Area: Islet Biology/Insulin Secretion  
Are There Different Beta-Cell Subpopulations?  
Chair: Maike Sander, MD  
12:45 p.m.-1:15 p.m.  
*Single-Cell Approaches Revealed Disease-Associated Beta-Cell Heterogeneity*  
Yan Li, PhD  
1:15 p.m.-1:45 p.m.  
*The Challenges We Face to Detect Beta-Cell Subpopulations*  
Mark Huising, PhD

2:00 p.m.-3:20 p.m.

Symposium  
Theme Area: Integrated Physiology/Obesity  
The Best Strategy for Diabetes Remission Using Obesity Treatments Is...  
Chair: W. Timothy Garvey, MD  
2:00 p.m.-2:40 p.m.  
*Lifestyle*  
Sriram Machineni, MD  
2:40 p.m.-3:20 p.m.  
*Pharmacotherapy*  
Ania M. Jastreboff, MD

2:00 p.m.-3:40 p.m.

Symposium  
Theme Area: Clinical Diabetes/Therapeutics  
Ethnic and Racial Disparities in Maternal, Perinatal, and Neonatal Mortality  
Chair: Rebecca A. Simmons, MD  
2:00 p.m.-2:20 p.m.  
*Ethnic Disparities in Maternal Pregnancy Complications and Mortality*  
Marissa H. Platner, MD  
2:20 p.m.-2:40 p.m.  
*Ethnic Disparities in Preterm Birth and Neonatal Survival*  
Heather H. Burris, MD, MPH  
2:40 p.m.-3:00 p.m.  
*Prospective Longitudinal Study of the Pregnancy DNA Methylome—The U.S. Pregnancy, Race, Environment, Genes (PREG) Study*  
Dana Lapato, PhD  
3:00 p.m.-3:20 p.m.  
*Risk and Protective Factors among Racially/Ethnically Diverse Women with Gestational Diabetes*  
Susan D. Brown, PhD  
3:20 p.m.-3:40 p.m.  
*Ethnic Differences in Neonatal Health in Premature Infants*  
Teresa Janevic, PhD, MPH

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FRIDAY, JUNE 12, 2020

2:00 p.m.-4:00 p.m.

**Symposium**

*Theme Area: Acute and Chronic Complications*

**Doing Better for Diabetes and Chronic Kidney Disease (CKD)**

Chair: TBD

- 2:00 p.m.-2:30 p.m.  
  *The Worldwide Impact of Diabetes and CKD*
  Nilka Rios Burrows, MT, MPH

- 2:30 p.m.-3:00 p.m.  
  *Identification of Diabetes and CKD in Clinical Practice*
  Susanne Nicholas, MD, MPH, PhD

- 3:00 p.m.-3:30 p.m.  
  *Recommendations for Glycemia Monitoring and Targets in CKD*
  Peter Rossing, MD, DMSc

- 3:30 p.m.-4:00 p.m.  
  *Recommended Therapies for the Treatment of CKD in Diabetes*
  Katherine R. Tuttle, MD, FACP, FASN, FNKF

**Symposium**

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

**Using Technologies to Track Physical Activity and Improve Health**

Chair: Boris Kovatchev, PhD

- 2:00 p.m.-2:30 p.m.  
  *Physical Activity Tracking—Technology under the Hood*
  Kong Y. Chen, PhD, MSCI

- 2:30 p.m.-3:00 p.m.  
  *Learning from Smartphone Sensor Data—Activity, Location, and Sociability*
  Ashutosh Sabharwal, PhD

- 3:00 p.m.-3:30 p.m.  
  *Being Physically Active with Artificial Pancreas Systems and Continuous Glucose Monitoring*
  Dessi Zaharieva, PhD

- 3:30 p.m.-4:00 p.m.  
  *Activity and the Type 2 Diabetes Digital Ecosystem—Insights from Technology*
  David Kerr, MD

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

**Update on Heart Failure for the Diabetologist**

Chair: Lawrence A. Leiter, MD, FRCP, FACP, FACE, FAHA, FACC

- 2:00 p.m.-2:40 p.m.  
  *Classification of Heart Failure (HFrEF, HFrEF, etc.)*
  Kim A. Connelly, MBBS, PhD, FRACP

- 2:40 p.m.-3:20 p.m.  
  *What Do We Know about the Effects of Antihyperglycemic Medication on Heart Failure?*
  John J.V. McMurray, OBE, BSc (Hons), MB, ChB (Hons), MD, FRCP, FESC

- 3:20 p.m.-4:00 p.m.  
  *Implications for the Practicing Diabetologist—How Can Endocrinology and Cardiology Work Together?*
  Daniel Einhorn, MD, FACP, FACE

Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

2:00 p.m.-4:00 p.m.
(continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Transitions in Diabetes
Chair: Desmond Schatz, MD
2:00 p.m.-2:40 p.m. Diabetes Transitions in the Hospital—Strategies to Consider when the Formulary Does Not Match Your Patient’s Home Insulin
Irl B. Hirsch, MD
2:40 p.m.-3:20 p.m. Diabetes Management in a Long-Term Care Facility—Strategies for Providers
Ruth S. Weinstock, MD, PhD
3:20 p.m.-4:00 p.m. Transitioning Across Time Zones—Diabetes Management Across the Country and Around the World
Subbulaxmi Trikudanathan, MD, MRCP, MMSc

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Which Diet Is Best for Treatment of Diabetes and Obesity?
Chair: Melinda D. Maryniuk, MEd, RDN, CDCES
2:00 p.m.-2:40 p.m. Low-Calorie Diets
John Wilding, DM, FRCP
2:40 p.m.-3:20 p.m. Low-Carbohydrate Diets and Nutritional Ketosis
Jessica Turton, APD, BAppSc (Ex&SpSc), MNutrDiet
3:20 p.m.-4:00 p.m. Mediterranean Diets
Miguel A. Martinez-Gonzalez, MD, PhD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
The Next Generation of Automated Insulin Delivery Systems for Persons with Type 1 Diabetes—Four New Clinical Trials
Chair: Timothy S. Bailey, MD, FACE, CPI
2:00 p.m.-2:30 p.m. U.S. Advanced Hybrid Closed-Loop (AHCL) Pivotal Safety Study
Bruce W. Bode, MD
2:30 p.m.-3:00 p.m. FLAIR—An NIDDK-Sponsored International, Multi-site Randomized Crossover Trial of AHCL vs. 670G
Richard M. Bergenstal, MD
3:00 p.m.-3:30 p.m. New Zealand AHCL Randomized Crossover Trial
Martin de Bock, FRACP, PhD
3:30 p.m.-4:00 p.m. Horizon Automated Glucose Control System Pre-pivotal Trial Data
Bruce A. Buckingham, MD

Symposium
Theme Area: Epidemiology/Genetics
Biobanks and Electronic Health Records in Diabetes Care and Research
Chair: TBD
2:00 p.m.-2:40 p.m. Biobanks in Diabetes and Obesity Research and Treatment
Dana C. Crawford, PhD
2:40 p.m.-3:20 p.m. Type 2 Diabetes and Cardiovascular Disease Risk Using Biobank Data
Naveed Sattar, MD, PhD
3:20 p.m.-4:00 p.m. Diabetes and Complications in Adults—The Million Veteran Program
Lawrence S. Phillips, MD

Information is subject to change. Sessions current as of 4/30/20.
FRIDAY, JUNE 12, 2020

2:00 p.m.-4:00 p.m.  (continued)

**Symposium**  
**Theme Area:** Insulin Action/Molecular Metabolism  
**Adipose Innervation**  
Chair: Meilian Liu, PhD  
2:00 p.m.-2:30 p.m.  
3D Imaging—Visualizing Adipose Tissue Innervation  
Paul Cohen, MD, PhD  
2:30 p.m.-3:00 p.m.  
Central Nervous System Regulation of the Sympathetic Outflow to Brown Adipose Tissue  
Shaun Morrison, PhD  
3:00 p.m.-3:30 p.m.  
Lipid Signals in the Control of Adipose Tissue Innervation  
Michael P. Czech, PhD  
3:30 p.m.-4:00 p.m.  
Regulation of Adipose Sympathetic Plasticity  
Wenwen Zeng, PhD

**Symposium**  
**Theme Area:** Islet Biology/Insulin Secretion  
**What's New with Beta-Cell Replacement?**  
Chair: M. Cristina Nostro, PhD  
2:00 p.m.-2:30 p.m.  
Autologous Islet Transplantation—Proof of Principle for Beta-Cell Replacement  
Melena Bellin, MD  
2:30 p.m.-3:00 p.m.  
State of the Field—Beta-Cell Replacement Strategies in Type 1 Diabetes  
Eelco J.P. de Koning, MD, PhD  
3:00 p.m.-3:30 p.m.  
Expanding the Human Beta-Cell Progenitor Population  
Senta Georgia, PhD  
3:30 p.m.-4:00 p.m.  
Stem Cells and Duct Cells as Beta-Cell Precursors  
H. Teresa Ku, PhD

**Symposium**  
**Theme Area:** Immunology/Transplantation  
**Functional Cure of Type 1 Diabetes—Where Shall We Take the Islet Cells From?**  
Chair: Julie A. Kerr-Conte, PhD  
4:15 p.m.-4:35 p.m.  
The Developmental Biology of Pancreatic Islet Cells  
Solomon Afelik, PhD  
4:35 p.m.-4:55 p.m.  
How Do Islet Cells Function, and How Can We Measure It?  
Yong Wang, MD  
4:55 p.m.-5:15 p.m.  
Generation of Human Islet Cells from Stem Cells  
Matthias Hebrok, PhD  
5:15 p.m.-5:35 p.m.  
Generating New Beta Cells from Adult Human Pancreatic Islets  
Adolfo Garcia-Ocaña, PhD  
5:35 p.m.-5:55 p.m.  
Islets from Porcine Origin for Diabetes Cell Therapy  
Gregory Korbutt, PhD

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FRIDAY, JUNE 12, 2020

4:15 p.m.-5:55 p.m.
(continued)

**Symposium**
*Theme Area: Integrated Physiology/Obesity*

**Bariatric Surgery—What Is New, and What Lessons Have We Learned?**
Chair: Roy Taylor, MD

4:15 p.m.-4:35 p.m.  *Novel Pathophysiology—Remodeling of Muscle and Liver Metabolism*
  Michael Roden, MD

4:35 p.m.-4:55 p.m.  *Clinical Management of Patients (Adults)*
  Maria Collazo-Clavell, MD

4:55 p.m.-5:15 p.m.  *Clinical Management of Patients (Youth)*
  Megan Moriarty Kelsey, MD, MS

5:15 p.m.-5:35 p.m.  *Complications of Bariatric Surgery—Hypoglycemia Pathophysiology and Management*
  Marzieh Salehi, MD, MS

5:35 p.m.-5:55 p.m.  *Complications of Bariatric Surgery—Effects on Bone*
  Anne Schafer, MD

4:15 p.m.-6:15 p.m.

**Symposium**
*Theme Area: Acute and Chronic Complications*

**Diabetic Foot Management—Care Strategies for the Primary Care and Medical Teams**
Chair: TBD

4:15 p.m.-4:45 p.m.  *Diabetic Foot Self-Care Management—Are We Using All the Right Tools?*
  Timethia Bonner, DPM, PhD

4:45 p.m.-5:15 p.m.  *Diabetic Foot Ulcer Pressure Relief—What You Can Do in the Office Today*
  Ryan T. Crews, MS, CCRP

5:15 p.m.-5:45 p.m.  *Antidiabetic Therapy and Amputation Risk*
  Michael Fralick, MD, PhD, SM, FRCPA

5:45 p.m.-6:15 p.m.  *Putting It All Together—Are We Meeting the Mark on Diabetic Foot Ulcer Prevention?*
  Sicco A. Bus, PhD

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

**Taking the Technology Plunge—Integrating Digital Technology into Practice**
Chair: David Kerr, MD

4:15 p.m.-4:45 p.m.  *Diabetes Apps—To Recommend, or Not to Recommend?*
  Rachel Stahl, MS, RD, CDN, CDE

4:45 p.m.-5:15 p.m.  *Diabetes Care Text Messages—Do They Work?*
  David V. Wagner, PhD

5:15 p.m.-5:45 p.m.  *Utilizing Personal Health Data—How Much Do We Need, and What Should We Do with It?*
  David Ahn, MD

5:45 p.m.-6:15 p.m.  *Is Peer Support the Answer for the Technologically Challenged?*
  Michelle L. Litchman, PhD, FNP-BC, APRN

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FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.  
(continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Expanding the Use of Continuous Glucose Monitoring in Pediatric Settings
Chair: Rose Gubitosi-Klug, MD, PhD
4:15 p.m.-4:45 p.m.  Glucose Monitoring in Stage 2 Type 1 Diabetes
Brigitte I. Frohnert, MD, PhD
4:45 p.m.-5:15 p.m.  Continuous Glucose Monitor Use in Early Stage 3 Type 1 Diabetes
Jan Fairchild, FRACP
5:15 p.m.-5:45 p.m.  Continuous Glucose Monitor Use in Pediatric Type 2 Diabetes
Fida Bacha, MD, FAAP
5:45 p.m.-6:15 p.m.  Continuous Glucose Monitor Use in Hospital Settings
Gregory P. Forlenza, MD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Tailoring Treatment Options Based on Diabetes Comorbidities
Chair: Ofri Mosenzon, MD, MSc
4:15 p.m.-4:45 p.m.  Patients with Nonalcoholic Fatty Liver Disease/Nonalcoholic Steatohepatitis
Kenneth Cusi, MD
4:45 p.m.-5:15 p.m.  Patients with Low Estimated Glomerular Filtration Rate
George Bakris, MD
5:15 p.m.-5:45 p.m.  Patients Post-Stroke/Transient Ischemic Attack
Jesse Dawson, MD, BSC (Hons), FRCP, FESO
5:45 p.m.-6:15 p.m.  Patients with Heart Failure
Silvio E. Inzucchi, MD
FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.

Oral Presentations
Theme Area: Acute and Chronic Complications
Cardiovascular Risk Evaluation and Mitigation in Diabetes

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.
(continued)

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Innovative Behavioral and Psychosocial Interventions in Diabetes (With ADA Presidents' Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Addressing Challenges to Diabetes Care Delivery

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.
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Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
SGLT Inhibitors

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
Oral Presentations
Theme Area: Epidemiology/Genetics
Advances in Type 2 Diabetes Treatment—Are We Making an Impact?

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
FRIDAY, JUNE 12, 2020

4:15 p.m.-6:15 p.m.
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Adipose Biology

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
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4:15 p.m.-6:15 p.m.
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Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
It Takes Teamwork—Beta-Cell Organelles

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

Scientific Sessions
8:00 a.m.-9:40 a.m.

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Can Taxes Alter Dietary Behaviors and Outcomes?
Chair: TBD
8:00 a.m.-8:20 a.m.  When Will a Tax Policy Change Behavior and When Will It Not?
Lisa M. Powell, PhD
8:20 a.m.-8:40 a.m.  Example from California
Dean Schillinger, MD
8:40 a.m.-9:00 a.m.  The UK Soft Drinks Industry Levy—Change Diet by Stimulating Reformulation
Martin White, MD, FFPH
9:00 a.m.-9:20 a.m.  Example from Mexico
Rafael Meza, PhD
9:20 a.m.-9:40 a.m.  Example from Philadelphia
Christina A. Roberto, PhD

8:00 a.m.-10:00 a.m.

Symposium
Theme Area: Acute and Chronic Complications
Reduction of Hypoglycemia by New Therapies in Clinical Trials—Overestimated, Underestimated, or Both?
Chair: Stephanie A. Amiel, BSc, MD, FRCP
8:00 a.m.-8:40 a.m.  We Need to Know How Often the Glucose Is under 54 mg/dl
Simon R. Heller, MD, FRCP
8:40 a.m.-9:20 a.m.  We Need to Know How Often the Glucose Is under 70 mg/dl
Aaron J. Kowalski, PhD
9:20 a.m.-10:00 a.m. The Constraints of Trial Design Determine Hypoglycemia Outcomes
Peter A. Senior, MBBS, PhD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
ADA Education Recognition Program Symposium—Clinical Considerations for Safe, Cultural, Spiritual, and Therapeutic Fasting among People with Diabetes
Chair: Barbara Eichorst, MS, RD, CDCES
8:00 a.m.-8:30 a.m.  Fasting Practices and Clinical Indications for People with Diabetes
Barbara Eichorst, MS, RD, CDCES
8:30 a.m.-9:00 a.m.  Religious, Cultural, and Health-Related Fasting Strategies and How They Impact Diabetes Outcomes and Care
Lorena Drago, MS, RDN, CDN, CDCES
9:00 a.m.-9:30 a.m.  Effective Diabetes Self-Management Education and Support for Those Who Fast
Joy Pape, MSN, RN, FNP-C, CDCES, FADCES
9:30 a.m.-10:00 a.m. National Survey from People with Diabetes Relating to Why They Fast and What Are Their Expectations from Health Care Providers to Support Their Needs
Anna Norton, MS

Information is subject to change. Sessions current as of 4/30/20.
SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.
(continued)

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Culinary Medicine—Its Role in the Prevention and Treatment of Obesity, Diabetes, and Metabolic Syndrome
Chair: Paula Kellogg Leibovitz, MS, RDN, CDE, CD-N
8:00 a.m.-8:40 a.m. Overview of Culinary Medicine and Teaching Kitchens as Learning Laboratories
David Eisenberg, MD
8:40 a.m.-9:20 a.m. Culinary Medicine during Medical Training and Beyond
Michelle Hauser, MD, MS, MPA, FAACL, Chef
9:20 a.m.-10:00 a.m. Culinary Medicine—Translating the Science into Solutions for Type 2 Diabetes Prevention and Management
Linda Shiue, MD, Chef

Symposium
Theme Area: Clinical Diabetes/Therapeutics
ADA Diabetes Care Symposium—Long-Term Perspectives on Study and Care of Diabetes
Chair: Matthew C. Riddle, MD
8:00 a.m.-8:05 a.m. Introductory Comments
Matthew C. Riddle, MD
8:05 a.m.-8:35 a.m. Evolution of Randomized Controlled Trials for Diabetes since the UGDP
Amanda Adler, MD, PhD
8:35 a.m.-9:05 a.m. Diabetes Is Vascular, the Heart Is Metabolic
Lars Rydén, MD, PhD
9:05 a.m.-9:30 a.m. “Profiles in Progress” Plaque Presentations
Matthew C. Riddle, MD
9:30 a.m.-10:00 a.m. How Can We Limit Development and Progression of Type 2 Diabetes in Youth and Middle Age?
Steven E. Kahn, MB, ChB

Symposium
Theme Area: Epidemiology/Genetics
The “Legacy Effect” in Diabetes—Are There Long-Term Benefits of Short-Term Tight Glycemic Management?
Chair: Elizabeth Selvin, PhD, MPH
8:00 a.m.-8:30 a.m. The Metabolic Memory in Type 1 Diabetes
John M. Lachin, ScD
8:30 a.m.-9:00 a.m. The Legacy Effect in Type 2 Diabetes
Rury R. Holman, FRCP, FMedSci
9:00 a.m.-9:30 a.m. The Legacy Effect of Lifestyle Intervention on Diabetes-Related Morbidity and Mortality
William C. Knowler, MD, DrPH
9:30 a.m.-10:00 a.m. Lack of a Legacy Effect in Modern Glucose-Lowering Trials
Neda Laiteerapong, MD, MS, FACP

Information is subject to change. Sessions current as of 4/30/20.
SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.

(continued)

**Symposium**
*Theme Area: Immunology/Transplantation*

**Engaging the Immune System to Protect Beta Cells**
Chair: Todd M. Brusko, PhD

8:00 a.m.-8:30 a.m.  *Immune Checkpoints in Autoimmune Diabetes*
Brian T. Fife, PhD

8:30 a.m.-9:00 a.m.  *Oxidative Stress in Type 1 Diabetes*
Hubert M. Tse, PhD

9:00 a.m.-9:30 a.m.  *T-Cell Receptor Determinants of Tolerance in Type 1 Diabetes*
Maria Bettini, PhD

9:30 a.m.-10:00 a.m.  *Low Dose IL-2 to Enhance Regulatory T-Cells*
Alberto Pugliese, MD

**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*

**Metabolic Tracing in Nutrition, Diabetes, and Cancer**
Chair: TBD

8:00 a.m.-8:30 a.m.  *Organ-Specific Consumption of Metabolic Fuels*
Joshua D. Rabinowitz, MD, PhD

8:30 a.m.-9:00 a.m.  *Manipulating and Modeling Metabolism to Understand Metabolic Health and Aging*
Denis Titov, PhD

9:00 a.m.-9:30 a.m.  *Metabolomic Approaches to Cardiovascular Disease*
Mohit Jain, MD, PhD

9:30 a.m.-10:00 a.m.  *Folate Metabolism in Cancer*
Naama Kanarek, PhD

**Symposium**
*Theme Area: Integrated Physiology/Obesity*

**The Impact of Environmental Temperature on Metabolic Regulation**
Chair: Brian N. Finck, PhD

8:00 a.m.-8:30 a.m.  *Optimal Temperatures to Mimic Human Metabolism—Not So Hot*
John Speakman, PhD, DSc

8:30 a.m.-9:00 a.m.  *Optimal Temperatures to Mimic Human Metabolism—Get It Hot*
Barbara Cannon, PhD

9:00 a.m.-9:30 a.m.  *Burn It Up—Temperature and Obesity Treatment*
Marc L. Reitman, MD, PhD

9:30 a.m.-10:00 a.m.  *It Was Flamed—Skeletal Muscle Thermogenic Regulation*
Muthu Periasamy, PhD

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SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Pediatric Type 2 Diabetes and Obesity

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Glucose Monitoring and Sensing

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Integrated Physiology/Obesity
The Guts of Obesity

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Stressing Out the Beta Cell

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

10:15 a.m.-11:30 a.m.

ADA Chief Executive Officer Remarks
Tracey D. Brown, MBA, BChE
and

President, Health Care & Education Address
50 Years of Behavioral Science in Diabetes—A 2020 Vision of the Future
Mary de Groot, PhD
and

Outstanding Educator in Diabetes Award Lecture
Tedious, Tiresome, and Dull—An Unrecognized Problem That We Can Solve
William H. Polonsky, PhD, CDCES

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

Professional Interest Group Discussion
Theme Area: Acute and Chronic Complications
Professional Interest Group Discussion on Foot Care—Motivational Interviewing to Help Patients Accomplish Self-Care of the Neuropathic Foot
Chair: Shelley Gath, DPM
11:30 a.m.-12:00 p.m. Title TBD
Jeffrey S. Gonzalez, PhD
12:00 p.m.-12:30 p.m. Strategies to Reduce Severe Diabetic Foot Infections during Epidemics
Rodica Pop-Busui, MD, PhD

Professional Interest Group Discussion
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Professional Interest Group Discussion on Exercise Physiology—The Molecular Transducers of Physical Activity (MoTrPAC)
Chair: TBD
11:30 a.m.-11:50 a.m. Welcome and Introductions
Jane E.B. Reusch, MD
11:50 a.m.-12:10 p.m. MoTrPAC Human Studies
Nicolas Musi, MD
12:10 p.m.-12:30 p.m. MoTrPAC Animal Studies
Laurie J. Goodyear, PhD
SATURDAY, JUNE 13, 2020

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

Professional Interest Group Discussion
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Professional Interest Group Discussion on Nutritional Science and Metabolism—Emerging Methodologies for Personalized Nutrition—Potential Effects on Glycemic and Other Diabetes-Related Outcomes?
Chair: Judith Wylie-Rosett, EdD, RDN
11:30 a.m.-11:35 a.m.  Overview and Introductions
Judith Wylie-Rosett, EdD, RDN
11:35 a.m.-11:40 a.m.  Personalized Nutrition—Recommendations and Questions from the ADA 2019 Nutrition Consensus Report
Patti Urbanski, MEd, RD, LD, CDE
11:40 a.m.-12:00 p.m.  Efficacy of Personalized Nutrition Based on Gut Microbiome and Clinical Data in Prediabetes
Eran Segal, PhD
12:00 p.m.-12:10 p.m.  Response and Discussion
Anthony J. Pick, MD, CDCES
12:10 p.m.-12:20 p.m.  Response and Discussion
Guoxun Chen, PhD
12:20 p.m.-12:30 p.m.  Response and Discussion
Patti Urbanski, MEd, RD, LD, CDE

Professional Interest Group Discussion
Theme Area: Clinical Diabetes/Therapeutics
Professional Interest Group Discussion on Clinical Centers and Programs—Frequently Encountered Glycemic Management Issues without Clear Guidelines
Chair: Edward C. Chao, DO
11:30 a.m.-11:40 a.m.  Introduction
Mary T. Korytkowski, MD
11:40 a.m.-12:05 p.m.  Management of Steroid Associated Hyperglycemia in Inpatient and Outpatient Settings
Cecilia C. Low Wang, MD, FACP
12:05 p.m.-12:30 p.m.  Use of Continuous Glucose Monitoring Devices in the Hospital—Time for Glucose Telemetry?
Ilias (Elias) Spanakis, MD

Professional Interest Group Discussion
Theme Area: Islet Biology/Insulin Secretion
Professional Interest Group Discussion on Islet Biology, Development, and Function—Debate—Chewing the Fat on the Role of Glucolipotoxicity in Type 2 Diabetes
Chair: TBD
11:30 a.m.-11:40 a.m.  Introduction
Hubert M. Tse, PhD
11:40 a.m.-12:05 p.m.  Is Glucolipotoxicity Involved in Islet Dysfunction in Diabetes?
Vincent Poitout, DVM, PhD
12:05 p.m.-12:30 p.m.  Islet Dysfunction is More than Glucolipotoxicity
Roy Taylor, MD

Information is subject to change. Sessions current as of 4/30/20.
SATURDAY, JUNE 13, 2020

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

Take this opportunity to visit the Virtual Exhibit and Poster Halls

1:45 p.m.-2:45 p.m.

Current Issues
Theme Area: Clinical Diabetes/Therapeutics
Debate—The Use of Continuous Glucose Monitoring in Type 2 Diabetes Mellitus—Is There Value?
Chair: Anne L. Peters, MD
1:45 p.m.-2:10 p.m. Yes
Athena Philis-Tsimikas, MD
2:10 p.m.-2:35 p.m. No
Elbert Huang, MD, MPH, FACP
2:35 p.m.-2:40 p.m. Rebuttal
Athena Philis-Tsimikas, MD
2:40 p.m.-2:45 p.m. Rebuttal
Elbert Huang, MD, MPH, FACP

1:45 p.m.-3:45 p.m.

Symposium
Theme Area: Acute and Chronic Complications
Clinical Management of Diabetic Neuropathies in 2020
Chair: Rodica Pop-Busui, MD, PhD
1:45 p.m.-2:25 p.m. Lifestyle and Dietary Modifications—Relevance in the Management of Diabetic Neuropathy?
Douglas Wright, PhD
2:25 p.m.-3:05 p.m. Perspectives in Pharmacology of Painful Neuropathy in 2020
Solomon Tesfaye, MB, ChB, MD, FRCPC
3:05 p.m.-3:45 p.m. Clinical Management of Gastrointestinal Autonomic Neuropathies
Karen L. Jones, PhD, DipAppSc

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Maximizing Long-Term Weight Loss Maintenance with Lifestyle Changes
Chair: Hope Warshaw, MMSc, RD, CDE, BC-ADM
1:45 p.m.-2:15 p.m. Overcoming Physiologic Changes from Weight Loss to Achieve Long-Term Weight Loss Maintenance
Michael Rosenbaum, MD
2:15 p.m.-2:45 p.m. Critical Psychological, Psychosocial, and Environmental Modifications to Achieve Long-Term Weight Loss Maintenance
Colin Greaves, PhD, CPsychol
2:45 p.m.-3:15 p.m. Essential Role of Physical Activity to Achieve Long-Term Weight Loss Maintenance and Implementation Strategies
James O. Hill, PhD
3:15 p.m.-3:45 p.m. Evidence-Based Factors and Real-World Models for Success
J. Graham Thomas, PhD

Information is subject to change. Sessions current as of 4/30/20.
SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m. (continued)

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

**Inpatient Diabetes Care and Education—What Does the Evidence Tell Us?**
Chair: Jane Jeffrie Seley, DNP, MSN, MPH, GNP, BC-ADM, CDE, CDTC, FAADE, FAAN
1:45 p.m.-2:25 p.m. *Models for Inpatient Diabetes Education in the Real World*
   Carine M. Nassar, MS, RD, CDE
2:25 p.m.-3:05 p.m. *The Ever-Expanding Role of the Pharmacist in the Inpatient Setting*
   Helen A. Habib, PharmD, CDE
3:05 p.m.-3:45 p.m. *Can an Inpatient Diabetes Management Service Decrease Length of Stay and Prevent Readmission?*
   Mihail Zilbermint, MD

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

**Joint ADA/ISPAD Symposium—Hemoglobin A1C vs. Time-in-Range as the Primary Metric in Pediatric Diabetes?**
Chair: Aaron J. Kowalski, PhD
1:45 p.m.-2:25 p.m. *The Case for A1C as the Primary Metric*
   William E. Winter, MD
2:25 p.m.-3:05 p.m. *The Case for Time-in-Range as the Primary Metric*
   Thomas Danne, MD
3:05 p.m.-3:45 p.m. *Practical Strategies to Personalize and Target Time-in-Range in Pediatric Diabetes*
   Daniel DeSalvo, MD

**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*

**Lipid Signaling and Lipidomics**
Chair: Yu-Hua Tseng, PhD
1:45 p.m.-2:15 p.m. *Nutrient Sensing and Bioenergetics*
   Deborah M. Muoio, PhD
2:15 p.m.-2:45 p.m. *Ceramides—The New Cholesterol?*
   Scott A. Summers, PhD
2:45 p.m.-3:15 p.m. *Obesity and Metabolic Disease*
   Matthew S. Rodeheffer, PhD
3:15 p.m.-3:45 p.m. *Transcriptional Networks Controlling Lipid Metabolism*
   Claudio Villanueva, PhD

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SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.
(continued)

Symposium
Theme Area: Integrated Physiology/Obesity
The New Physiology—Organs in a Dish—Promises, Pitfalls, and Potential Clinical Applications
Chair: Erin E. Kershaw, MD
1:45 p.m.-2:15 p.m.
State-of-the-Art Lecture—The Promise and Impact of Organoid Medicine
Linda G. Griffith, PhD
2:15 p.m.-2:45 p.m.
Long-Term Expansion of Pancreatic Islet Organoids from Resident Procr Progenitors
Yi Arial Zeng, PhD
2:45 p.m.-3:15 p.m.
Organoids to Study Human and Molecular Genetics of Fatty Liver
Stefano Romeo, MD, PhD
3:15 p.m.-3:45 p.m.
Synergistic Engineering of an Ex Vivo Type 2 Diabetes Model—Organoids and Organs on a Chip
John P. Wikswo, Jr., PhD

Symposium
Theme Area: Islet Biology/Insulin Secretion
Slicing and Dicing—Prohormone Processing in Diabetes
Chair: Peter Arvan, MD, PhD
1:45 p.m.-2:15 p.m.
Impaired Prohormone Processing in Type 2 Diabetes
Steven E. Kahn, MB, ChB
2:15 p.m.-2:45 p.m.
Impaired Prohormone Processing in Type 1 Diabetes
Emily K. Sims, MD
2:45 p.m.-3:15 p.m.
Pro-Islet Amyloid Polypeptide Processing in Diabetes
Bruce Verchere, PhD
3:15 p.m.-3:45 p.m.
Histologic Analysis of Prohormone Processing
Teresa Rodriguez-Calvo, DVM, PhD

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SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.

Oral Presentations
Theme Area: Acute and Chronic Complications
Cellular Mechanisms of Atherogenesis in Diabetes—New Insights (With Edwin Bierman Award Lecture)

1:45 p.m.-2:15 p.m.
Edwin Bierman Award Lecture
Role of Epigenetics in Diabetic Vascular Complications and Metabolic Memory
Rama Natarajan, PhD, FAHA, FASN

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SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
I Got You, Babe (With Norbert Freinkel Award Lecture)

1:45 p.m.-2:15 p.m.
Norbert Freinkel Award Lecture
Paradigm Shifts in the Management of Diabetes in Pregnancy
David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)

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SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.
(continued)

Oral Presentations
Theme Area: Epidemiology/Genetics
Diabetes Prediction, Prevention, and Control—Are We Making Progress?

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.
(continued)

Oral Presentations
Theme Area: Epidemiology/Genetics
Genetics and Functional Impact of Variants in Type 1 Diabetes

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

1:45 p.m.-3:45 p.m.
(continued)

Oral Presentations
Theme Area: Immunology/Transplantation
Improving Transplant Outcomes

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

2:45 p.m.-3:45 p.m.

**Current Issues**
*Theme Area: Clinical Diabetes/Therapeutics*

**Debate—Should the Artificial Pancreas Be Single or Dual Hormone?**
Chair: Rémi Rabasa-Lhoret, MD, PhD
2:45 p.m.-3:10 p.m.  
*Single Hormone*  
Roman Hovorka, PhD, FMedSci

3:10 p.m.-3:35 p.m.  
*Dual Hormone*  
Steven J. Russell, MD, PhD

3:35 p.m.-3:40 p.m.  
*Rebuttal*  
Roman Hovorka, PhD, FMedSci

3:40 p.m.-3:45 p.m.  
*Rebuttal*  
Steven J. Russell, MD, PhD

4:00 p.m.-5:15 p.m.

**Symposium**
*Theme Area: Acute and Chronic Complications*

**DAPA-HF Update—Have We Lost SGLT2 Inhibitors to Cardiologists?!**
Chair: Subodh Verma, MD, PhD, FRCSC
4:00 p.m.-4:25 p.m.  
*Background and Main Cardiovascular Outcomes*  
John J.V. McMurray, OBE, BSc (Hons), MB, ChB (Hons), MD, FRCP, FESC

4:25 p.m.-4:40 p.m.  
*Patient-Centered Outcomes*  
Mikhail N. Kosiborod, MD

4:40 p.m.-4:55 p.m.  
*Metabolic Outcomes, Diabetes Prevention, and Safety*  
Silvio E. Inzucchi, MD

4:55 p.m.-5:15 p.m.  
*Independent Commentary—Implications for Clinical Care and Future Directions*  
Jeffrey M. Testani, MD, MTR

4:00 p.m.-5:40 p.m.

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

**Diabetes in Sub-Saharan Africa—Challenges and Opportunities**
Chair: Ayesha A. Motala, MB, ChB, MD, FRCP, FCP
4:00 p.m.-4:20 p.m.  
*Overview of Diabetes Epidemiology and Complications in Sub-Saharan Africa*  
Jean Claude Mbanya, MD, PhD, MRCP (UK), FRCP (London), FTWAS

4:20 p.m.-4:40 p.m.  
*The Diabetic Foot in Africa—Evidence-Based Strategies to Reduce the Amputation Rate*  
Zulfiqarali G. Abbas, MBBS, MMed, DTM&H (UK), FRCP (Glasgow), FRCP (London)

4:40 p.m.-5:00 p.m.  
*Prevention of Type 2 Diabetes in Africa*  
Samuel Dagogo-Jack, MD, DSc

5:00 p.m.-5:20 p.m.  
*Big Data from Africa—The Human Health and Heredity in Africa (H3Africa) Diabetes Study*  
Ayesha Motala, MB, ChB, MD, FRCP, FCP

5:20 p.m.-5:40 p.m.  
*Transplanting Molecular Diabetology to Africa—The Nigerian Experience*  
Wasiu Gbolahan Balogun, PhD

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SATURDAY, JUNE 13, 2020

4:00 p.m.-5:50 p.m.

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Diabetes Devices and Digital Technologies—Who Does It Help the Most (and Least)? (With Richard R. Rubin Award Lecture)
Chair: TBD
4:00 p.m.-4:30 p.m. Richard R. Rubin Award Lecture—Call the Coach—Opportunities and Challenges for Parent Coaching in Pediatric Type 1 Diabetes
   Randi Streisand, PhD
4:30 p.m.-4:50 p.m. Is One-Size-Fits-All Actually a Bad Approach?
   Korey K. Hood, PhD
4:50 p.m.-5:10 p.m. Benefits of Device and Tech Use in Tech-Naive and Tech-Underutilizing Populations
   Jill Weissberg-Benchell, PhD, CDE
5:10 p.m.-5:30 p.m. How Tech May Unintentionally Widen the Health Disparities Gap
   Lyndsay A. Nelson, PhD
5:30 p.m.-5:50 p.m. Continuous Glucose Monitoring for Those Most Challenged by Diabetes—Why Not?
   Kimberly B. Spiro, PhD

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

Symposium
Theme Area: Acute and Chronic Complications
Dilemmas in Diabetic Foot Infection Management
Chair: Crystal Holmes, DPM, CWSP
4:00 p.m.-4:30 p.m. Diabetic Osteomyelitis When Bone Biopsy Is Not an Option
   Katherine M. Rasovic, DPM
4:30 p.m.-5:00 p.m. Effects of Withholding Antibiotics Prior to Bone Biopsy
   Peter Crisologo, DPM
5:00 p.m.-5:30 p.m. Fungal Diabetic Osteomyelitis—Is It Real?
   Qeena C. Woodard, DPM, CWS
5:30 p.m.-6:00 p.m. Complications of Long-Term IV Antibiotics—Are We Considering the Risk to Our Patients?
   Tejal Gandhi, MD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Myosteatosis—What Happens When Skeletal Muscle Is Marbled Like Steak?
Chair: Osama Hamdy, MD, PhD
4:00 p.m.-4:30 p.m. Muscle Quality Matters—Associations between Intermuscular Fat and Muscle Insulin Sensitivity and Mortality Risk
   Susanna M. Hofmann, MD
4:30 p.m.-5:00 p.m. Impact of Diet, Exercise, Obesity, Aging, and Diabetes on Intermuscular and Subfascial Fat Depots
   Barbara Gower, PhD
5:00 p.m.-5:30 p.m. Interventions to Favorably Alter Muscle Fat—Where Do We Go From Here?
   Lisa S. Chow, MD, MS
5:30 p.m.-6:00 p.m. The Athlete’s Paradox—Benign vs. Pathological Skeletal Muscle Lipids
   Bryan C. Bergman, PhD

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SATURDAY, JUNE 13, 2020

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

**Symposium**
*Theme Area: Epidemiology/Genetics*

**Returning Genetic Results to the Patient with Diabetes**
Chair: Stephen S. Rich, PhD, FAHA
4:00 p.m.-4:40 p.m.  *Returning Incidental Findings in Genomic Research in Diverse Populations*  Adolfo Correa, MD, PhD
4:40 p.m.-5:20 p.m.  *Returning Genetic Evidence in Monogenic Diabetes*  Siri Atma W. Greeley, MD, PhD
5:20 p.m.-6:00 p.m.  *Implementing the Return of Genetic Results in Diabetes Practice*  Toni I. Pollin, MS, PhD, CGC

**Symposium**
*Theme Area: Immunology/Transplantation*

**The Microbiome in Type 1 Diabetes—Where Are We Now?**
Chair: Mark A. Atkinson, PhD
4:00 p.m.-4:30 p.m.  *Development of the Gut Microbiome in Early Childhood*  Christopher Stewart, PhD
4:30 p.m.-5:00 p.m.  *What Does the Gut Microbiome Look Like in Type 1 Diabetes?*  Eric Triplett, PhD, MS, BS
5:00 p.m.-5:30 p.m.  *Manipulating the Gut Microbiome to Treat Diabetes*  Emma Hamilton-Williams, PhD
5:30 p.m.-6:00 p.m.  *Fecal Transplantation for Type 1 Diabetes*  Max Nieuwdorp, MD, PhD

**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*

**Immunity, Metabolism, and Diabetes**
Chair: Alan Saltiel, PhD
4:00 p.m.-4:30 p.m.  *Adipose Macrophage and Metabolic Homeostasis*  Carey N. Lumeng, MD, PhD
4:30 p.m.-5:00 p.m.  *Regulation of Adipose Inflammation by Metabolic Endoplasmic Reticulum Stress*  Yong Liu, PhD
5:00 p.m.-5:30 p.m.  *Sympathetic-Associated Macrophages in Energy Homeostasis*  Ana Domingos, PhD
5:30 p.m.-6:00 p.m.  *Th17-Mediated Inflammation and Type 2 Diabetes*  Barbara Nikolajczyk, PhD

**Symposium**
*Theme Area: Islet Biology/Insulin Secretion*

**Orchestrating the Islet—Structural and Functional Interactions**
Chair: Mark Huisings, PhD
4:00 p.m.-4:40 p.m.  *Building an Islet—Location, Location, Location!*  Barak Blum, PhD
4:40 p.m.-5:20 p.m.  *The Elusive Delta Cell—Mechanisms Underlying Somatostatin Release*  Quan Zhang, PhD
5:20 p.m.-6:00 p.m.  *Pericytes and the Microvasculature in Islet Function*  Joana Almaca, PhD

*Information is subject to change. Sessions current as of 4/30/20.*
SATURDAY, JUNE 13, 2020

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

Oral Presentations
Theme Area: Acute and Chronic Complications
Complications of Neuropathy

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

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

Oral Presentations
Theme Area: Acute and Chronic Complications
Diabetic Dyslipidemia

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

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

Oral Presentations
Theme Area: Integrated Physiology/Obesity
Obesity Treatment and Weight Loss—The Causes and Consequences

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Emargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

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

Oral Presentations
Theme Area: Integrated Physiology/Obesity
Integrative Physiology of the Brain, Gut, and Pancreas

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SATURDAY, JUNE 13, 2020

5:00 p.m.-6:00 p.m.

Current Issues
Theme Area: Clinical Diabetes/Therapeutics
Debate—Is There a Current Place for Sulfonylureas in the Treatment of Type 2 Diabetes?
Chair: Naveed Sattar, MD, PhD
5:00 p.m.-5:25 p.m. Yes
Sophia Zoungas, MBBS (Hons), PhD, FRACP
5:25 p.m.-5:50 p.m. No
Carol H. Wysham, MD
5:50 p.m.-5:55 p.m. Rebuttal
Sophia Zoungas, MBBS (Hons), PhD, FRACP
5:55 p.m.-6:00 p.m. Rebuttal
Carol H. Wysham, MD

Information is subject to change. Sessions current as of 4/30/20.
SUNDAY, JUNE 14, 2020

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

Symposium
Theme Area: Acute and Chronic Complications
Cardiorenal–Metabolic Axis in Diabetes
Chair: David Cherney, MD, PhD
8:00 a.m.-8:25 a.m. Pathophysiology of CardioRenal Syndrome
Peter A. McCullough, MD, MPH
8:25 a.m.-8:40 a.m. Review of a Landmark Trial Focusing on Cardiovascular Outcomes (DAPA-HF)
Biykem Bozkurt, MD, PhD, FHfSA, FACC, FAHA
8:40 a.m.-8:55 a.m. Review of a Landmark Trial Focusing on Renal Outcomes (CREDENCE)
Katherine R. Tuttle, MD, FACP, FASN, FNKF
8:55 a.m.-9:10 a.m. Review Evidence Base Evaluating Impact of Blood Pressure, Lipid, and Glycemic Control on Cardiovascular Outcomes
Melissa L. Magwire, RN, MSN, CDE
9:10 a.m.-9:30 a.m. Translating Evidence to Practice
Jennifer B. Green, MD

8:00 a.m.-10:00 a.m.

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Lifestyle Interventions for Type 2 Diabetes Remission
Chair: TBD
8:00 a.m.-8:30 a.m. The DiRECT Trial and Very-Low-Calorie Eating Plans
Alison C. Barnes, RD
8:30 a.m.-9:00 a.m. Low-Carbohydrate Eating Plans
William S. Yancy, Jr., MD, MHS
9:00 a.m.-9:30 a.m. High-Fiber Diets and Plant-Based Eating Plans for Treating Type 2 Diabetes
Hana Kahleova, MD, PhD, MBA
9:30 a.m.-10:00 a.m. Exercise Alone, or Is It a Combination of Diet and Exercise?
Kristian Karstoft, MD, PhD, DMSc

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Adjunctive Glucose-Lowering Therapies for Adults with Type 1 Diabetes—Evidence
Chair: Jeremy Pettus, MD
8:00 a.m.-8:40 a.m. Metformin
Irene Hramiak, MD, FRCP(C), FACP
8:40 a.m.-9:20 a.m. GLP-1 Receptor Agonists
Tina Vilsbøll, MD, DMSc
9:20 a.m.-10:00 a.m. SGLT2i’s
Chantal Mathieu, MD, PhD
Symposium
Theme Area: Clinical Diabetes Therapeutics
ADA Diabetes Symposium—Unraveling the Heterogeneity in Type 2 Diabetes
Chair: John B. Buse, MD, PhD
8:00 a.m.-8:30 a.m. Subtypes of Type 2 Diabetes Determined from Clinical Parameters
Emma Ahlqvist, PhD
8:30 a.m.-9:00 a.m. Precision Medicine in Type 2 Diabetes—Using Individualized Prediction Models to Optimize Selection of Treatment
John M. Dennis, PhD
9:00 a.m.-9:30 a.m. Using Genetic Risk Scores to Distinguish Subtypes of Type 2 Diabetes
Anubha Mahajan, PhD
9:30 a.m.-10:00 a.m. Defining Heterogeneity among Women with Gestational Diabetes
Camille E. Powe, MD

Symposium
Theme Area: Epidemiology/Genetics
NIDDK Symposium—Spanning from Genes to Improving Clinical Care across Translational Valleys
Chair: Philip Smith, PhD
8:00 a.m.-8:30 a.m. From Single Nucleotide Polymorphisms to Drug Targets—How the Accelerating Medicines Partnership Type 2 Diabetes Is Using Big Data to Understand Diabetes
Karen L. Mohlke, PhD
8:30 a.m.-9:00 a.m. Integrating Multiomic and Genome-Wide Cellular Datasets to Unlock Mechanisms for Islet Dysfunction in Type 2 Diabetes
Anna L. Gloyn, DPhil
9:00 a.m.-9:30 a.m. Beyond Histology and Urine—Helping Kidney Patients Find Precision Medicine
Evren U. Azeloglu, PhD
9:30 a.m.-10:00 a.m. Right Data, Right Patient, Right Time—Improving Interoperability of Health Data for Research and Care
Jenna M. Norton, MPH

Symposium
Theme Area: Immunology/Transplantation
Pancreas Transplantation—Why Aren’t We Doing More?
Chair: Silke V. Niederhaus, MD
8:00 a.m.-8:30 a.m. Patient Selection for Pancreas and Islet Transplantation
Meaghan Stumpf, MD
8:30 a.m.-9:00 a.m. Long-Term Immunosuppression in Pancreas Transplant Patients
Maya Campara, PharmD
9:00 a.m.-9:30 a.m. Glycemic Management after Pancreas Transplantation for Recipients with Type 1 and Type 2 Diabetes
Michael R. Rickels, MD, MS
9:30 a.m.-10:00 a.m. Current Clinical Results in Pancreas Transplantation for Type 1 and Type 2 Diabetes
Angelika Gruessner, PhD
SUNDAY, JUNE 14, 2020

8:00 a.m.-10:00 a.m.  
(continued)

**Symposium**  
*Theme Area: Insulin Action/Molecular Metabolism*  
**Effect of Metabolic Stress on Insulin Action**  
Chair: Matthew Hirschey, PhD  
8:00 a.m.-8:40 a.m.  Role of Hypoxia in Mediating Metabolic Improvements  
Isha Jain, PhD  
8:40 a.m.-9:20 a.m.  Molecular Benefits of Exercise in Countering Metabolic Stress  
Juleen R. Zierath, PhD  
9:20 a.m.-10:00 a.m.  Metabolic Regulation of Cell Fate Decisions  
Lydia Finley, PhD

**Symposium**  
*Theme Area: Integrated Physiology/Obesity*  
**Mind the Clock—Timing of Feeding in the Control of Metabolic Health**  
Chair: Darleen A. Sandoval, PhD  
8:00 a.m.-8:40 a.m.  Meal Timing in Health and Disease  
Satchidananda Panda, PhD  
8:40 a.m.-9:20 a.m.  Insulin Sensitization—Alternate Day Fasting vs. Caloric Restriction  
Krista Varady, PhD  
9:20 a.m.-10:00 a.m.  Synching Tissue Clocks with Feeding to Improve Metabolic Health  
Paolo Sassone-Corsi, PhD

**Symposium**  
*Theme Area: Islet Biology/Insulin Secretion*  
**The Islet under Duress in Type 1 Diabetes**  
Chair: Susanne M. Cabrera, MD  
8:00 a.m.-8:30 a.m.  State of the Field—The Islets in Dialogue with the Immune System in Type 1 Diabetes  
Decio L. Eizirik, MD, PhD  
8:30 a.m.-9:00 a.m.  Monogenic Forms of Autoimmune Diabetes  
Sarah E. Flanagan, PhD  
9:00 a.m.-9:30 a.m.  Beta-Cell Endoplasmic Reticulum Stress in Type 1 Diabetes  
Feyza Engin, PhD  
9:30 a.m.-10:00 a.m.  Novel Imaging Techniques to Detect Islet Inflammation  
Richard KP Benninger, PhD

*Information is subject to change. Sessions current as of 4/30/20.*
SUNDAY, JUNE 14, 2020

8:00 a.m.-10:00 a.m.

Oral Presentations
Theme Area: Acute and Chronic Complications
Hypoglycemia—Heart and Mind (With ADA Presidents' Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Metabolic and Cardiovascular Health Impact of Exercise and Fitness in Obesity and Diabetes

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Effective Diabetes Care—At What Cost?

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Other Therapeutic Agents

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

10:15 a.m.-11:45 a.m.
President, Medicine & Science Address

Title TBD
Robert H. Eckel, MD

and

Banting Medal for Scientific Achievement

A Journey in Diabetes
Ele Ferrannini, MD

12:00 p.m.-1:00 p.m.

Professional Interest Group Discussion
Theme Area: Acute and Chronic Complications

Professional Interest Group Discussion on Diabetes and Cardiovascular Disease—Hot Topics in Diabetes and Cardiovascular Disease Management
Chair: Rodica Pop-Busui, MD, PhD
12:00 p.m.-1:00 p.m.  
Excess Heart Failure and Cardiovascular Risk in Women with Diabetes—A Not-So-Sweet Truth
   William B. Horton, MD, FACP

Professional Interest Group Discussion
Theme Area: Acute and Chronic Complications

Professional Interest Group Discussion on Eye Health—Common Questions Encountered by Diabetes Care Providers Related to Eye Issues Experienced by People with Diabetes
Chair: George L. King, MD
12:00 p.m.-12:30 p.m.  
Common Ocular Symptoms and Questions Encountered by Primary Care Providers, Diabetes Education Specialists, and Diabetologists
   Richard M. Calderon, OD, FAAO
12:30 p.m.-1:00 p.m.  
Aids That Can Help Patients with Low Vision
   Richard J. Shuldiner, OD, FAAO, FIALVS

Professional Interest Group Discussion
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise

Professional Interest Group Discussion on Behavioral Medicine and Psychology—The Value Proposition for Behavioral Health—Examples of Effectively Making the Case
Chair: Korey K. Hood, PhD
12:00 p.m.-12:15 p.m.  
What an Administrator Can Do to Advocate for Behavioral Health
   Andrew Ahmann, MD
12:15 p.m.-12:30 p.m.  
Implementing Screening with an Eye toward Financial Sustainability
   Arwen Marker, MA
12:30 p.m.-12:45 p.m.  
Putting Behavioral Evidence into Practice—Advice and Solutions
   Felicia Hill-Briggs, PhD, ABPP
12:45 p.m.-1:00 p.m.  
Behavioral Health in 2025—What We Need to Think about Now
   Paul S. Ciechanowski, MD, MPH

Information is subject to change. Sessions current as of 4/30/20.
SUNDAY, JUNE 14, 2020

12:00 p.m.-1:00 p.m.
(continued)

Professional Interest Group Discussion
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Professional Interest Group Discussion on Diabetes Self-Management Education and Support (DSMES)—Focus on 2020 DSMES Consensus Report
Chair: Clipper F. Young, PharmD, MPH, CDE, BC-ADM, BCGP
12:00 p.m.-12:20 p.m.  Advancing Access to DSMES
Clipper F. Young, PharmD, MPH, CDE, BC-ADM, BCGP
12:20 p.m.-12:40 p.m.  2020 DSMES Consensus Report—Role of DSMES in Today’s Health Care Environment
Margaret A. Powers, PhD, RD, CDE
12:40 p.m.-1:00 p.m.  Call to Action—Recommendations and the Four Critical Times
Joan K. Bardsley, MBA, BSN, RN, CDE, FADE

Mini-Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Women’s Interprofessional Network of the ADA (WIN ADA)—Finding Equilibrium—Rethinking “Work-Life Balance” to Maintain Personal Wellness
Chair: Kanakadurga Singer, MD
12:00 p.m.-12:30 p.m.  Strategies to Optimize Work-Life Integration
Linda DiMeglio, MD, MPH
12:30 p.m.-1:00 p.m.  Recognizing and Recovering from Professional Burnout
Mary de Groot, PhD

Professional Interest Group Discussion
Theme Area: Clinical Diabetes/Therapeutics
Professional Interest Group Discussion on Diabetes in Youth—“Do-It-Yourself”/“Do-It-Together” (DIY/DIT)
Closed-Loop Systems in Youth
Chair: Henry Rodriguez, MD
12:00 p.m.-12:20 p.m.  Do-It-Yourself/Do-It-Together
Rayhan Lal, MD
12:20 p.m.-12:40 p.m.  Psychosocial/Behavioral Impact of DIY/DIT in Youth
Diana Naranjo, PhD
12:40 p.m.-1:00 p.m.  DIY/DIT in the Childcare, School, and Camp Setting
Anastasia Albanese-O’Neill, PhD, APRN, CDE

Symposium
Theme Area: Integrated Physiology/Obesity
New Insights from the Restoring Insulin Secretion (RISE) Study—Differences between Adults and Youth with Prediabetes and Type 2 Diabetes
Chair: Sharon Edelstein, ScM
12:00 p.m.-12:05 p.m.  Looking Back—What Have We Already Learned?
Sharon Edelstein, ScM
12:05 p.m.-12:25 p.m.  Alpha-Cell Function
Thomas A. Buchanan, MD
12:25 p.m.-12:45 p.m.  Proinsulin and the Beta Cell
Kristina Utzschneider, MD
12:45 p.m.-1:00 p.m.  Looking Forward—What More Do We Need to Know?
Kristen J. Nadeau, MD, MS

Information is subject to change. Sessions current as of 4/30/20.
SUNDAY, JUNE 14, 2020

1:00 p.m.-2:00 p.m.
Session Break

Take this opportunity to visit the Virtual Exhibit and Poster Halls

2:15 p.m.-3:00 p.m.
Kelly West Award for Outstanding Achievement in Epidemiology Lecture

The Epidemiology of Hemoglobin A1C—Informing Medical Practice
Elizabeth Selvin, PhD, MPH

2:15 p.m.-4:15 p.m.

Symposium
Theme Area: Acute and Chronic Complications
Update on Lipid-Lowering Drugs
Chair: Alan Chait, MD
2:15 p.m.-2:45 p.m. How to Diagnose, Avoid, and Treat the Side Effects of Statin Therapy
Connie B. Newman, MD, FACP, FAHA, FAMWA
2:45 p.m.-3:15 p.m. Omega-3 Fatty Acids—Should More of Our Patients Be Treated with Fish Oil?
Deepak L. Bhatt, MD, MPH, FACC, FAHA, FSCAI, FESC
3:15 p.m.-3:45 p.m. PCSK9 Inhibitors—When Should You Use These Agents?
Jennifer G. Robinson, MD, MPH
3:45 p.m.-4:15 p.m. Bempedoic Acid and Lipid Drugs in Development
John R. Guyton, MD

Symposium
Theme Area: Acute and Chronic Complications
New Perspectives on Diabetic Retinopathy Diagnosis and Treatment
Room: S-106 (South, Level 1)
Chair: Rithwick Rajagopal, MD, PhD
2:15 p.m.-2:45 p.m. Retinal Neurodegeneration in Diabetes
Rafael Simó, MD, PhD
2:45 p.m.-3:15 p.m. Autonomous Artificial Intelligence for Diagnosis of Diabetic Retinopathy
Michael D. Abrámoff, MD, PhD
3:15 p.m.-3:45 p.m. Lessons from Recent Trials and Practice
Donald S. Fong, MD
3:45 p.m.-4:15 p.m. Genetic Aspects of Diabetic Retinopathy
Lucia Sobrin, MD, MPH

Information is subject to change. Sessions current as of 4/30/20.
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.
(continued)

Case Studies
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Reaching the Hard to Reach—Real-World Stories
Chair: Dessa Garnett-Awadjie, MSN, FNP-BC, BC-ADM, CDCES
2:15 p.m.-2:55 p.m.  A Day in the Life of Emerging Adults with Type 1 Diabetes Mellitus
                   Neesha Ramchandani, PhD, PNP, CDCES, CDTC
2:55 p.m.-3:35 p.m.  Juggling Diabetes Self-Care Post-Kidney Transplant
                   Della Connor, PhD, RN, FNP-BC, FNKF
3:35 p.m.-4:15 p.m.  Living with Diabetes after Amputation
                   Gary M. Rothenberg, DPM, CDE, CWS

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Strength-Based Approaches in Diabetes Care—Challenging the Deficit Model
Chair: Jennifer Raymond, MD, MCR
2:15 p.m.-2:45 p.m.  What Teens with Type 1 Do RIGHT—Equipping Parents and Providers to Build Youths’ Diabetes Strengths
                   Marisa E. Hilliard, PhD
2:45 p.m.-3:15 p.m.  Promoting Resilience Resources in Distressed Teens
                   Joyce Yi-Frazier, PhD
3:15 p.m.-3:45 p.m.  Promoting Empowerment in Diverse Populations with Diabetes—The Resilient, Empowered, Active Living (REAL) Diabetes Studies
                   Elizabeth Pyatak, PhD, CDCES
3:45 p.m.-4:15 p.m.  Resilience-Based Diabetes Self-Management Education in African American Adults with Type 2 Diabetes
                   Mary Steinhardt, EdD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Low-Carb Diets in Pediatric Type 1 Diabetes—Pros and Cons
Chair: Michael J. Haller, MD
2:15 p.m.-2:40 p.m.  Low-Carb Diets in Pediatric Type 1 Diabetes—Pros
                   Belinda S. Lennerz, MD, PhD
2:40 p.m.-3:05 p.m.  Low-Carb Diets in Pediatric Type 1 Diabetes—Cons
                   Carmel E. Smart, RD, PhD
3:05 p.m.-3:10 p.m.  Rebuttal
                   Belinda S. Lennerz, MD, PhD
3:10 p.m.-3:15 p.m.  Rebuttal
                   Carmel E. Smart, RD, PhD
3:15 p.m.-3:45 p.m.  Behavioral and Psychosocial Aspects of Low-Carb Diets in Pediatric Diabetes
                   Katherine A. Gallagher, PhD
3:45 p.m.-4:15 p.m.  Psychosocial Implications of Low-Carb Diets and Disordered Eating in Pediatric Diabetes
                   Claire Aarnio-Peterson, PhD
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.
(continued)

**Symposium**  
*Theme Area: Immunology/Transplantation*

**Joint ADA/Diabetes UK Symposium—Islet Transplantation—Quo Vadis?**  
Chair: TBD

2:15 p.m.-2:45 p.m.  
*Current Outcomes in Islet-Cell Transplantation*  
Franca B. Barton, MS

2:45 p.m.-3:15 p.m.  
*What Do Patients Expect from a Cell-Based Therapy of Diabetes?*  
Rebecca S. Monson, MD, MPH

3:15 p.m.-3:45 p.m.  
*Health Economics of Islet-Cell Transplantation and Diabetes Therapy*  
Andrew M. Posselt, MD, PhD

3:45 p.m.-4:15 p.m.  
*FDA Center for Biologics Evaluation and Research Perspective on Cell Therapies for Diabetes*  
Ilan Irony, MD

**Symposium**  
*Theme Area: Islet Biology/Insulin Secretion*

**Not Your Grandmother's Transcription Factors—New Insights into Genomic Regulation of Beta-Cell Function**  
Chair: Lori Sussel, PhD

2:15 p.m.-2:45 p.m.  
*RNA Methylation in the Pancreatic Beta Cell*  
Rohit Kulkarni, MD, PhD

2:45 p.m.-3:15 p.m.  
*Non-coding RNAs in the Control of Pancreatic β-Cell Function and Development*  
Romano Regazzi, PhD

3:15 p.m.-3:45 p.m.  
*Chromatin Remodeling Complexes and Transcriptional Regulation of Beta-Cell Development and Function*  
Jason Spaeth, PhD

3:45 p.m.-4:15 p.m.  
*Lost in Translation—Illuminating Pathways of mRNA Translation in the Beta Cell*  
Doris A. Stoffers, MD, PhD

*Information is subject to change. Sessions current as of 4/30/20.*
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Always Be My Baby—Diagnosing and Treating Diabetes during and after Pregnancy

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Insulin Delivery Systems

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Liver Metabolism and Disease (With ADA Presidents' Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

2:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Integrated Physiology/Obesity
Central Control of Feeding and Metabolic Homeostasis

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

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

**Symposium**  
*Theme Area: Integrated Physiology/Obesity*  
**Physiological Mechanisms of Remission of Type 2 Diabetes**  
Chair: Rita Basu, MD  
4:30 p.m.-4:50 p.m.  
*Defining Remission of Type 2 Diabetes—What Does This Mean to the Patient and Provider?*  
William T. Cefalu, MD  
4:50 pm.-5:15 p.m.  
*The How and Why of Nonsurgical Weight-Loss-Induced Remission of Type 2 Diabetes*  
Roy Taylor, MD  
5:15 p.m.-5:40 p.m.  
*Long-Term Remission of Type 2 Diabetes following Bariatric Surgery*  
Francesco Rubino, MD  
5:40 p.m.-6:00 p.m.  
*Panel Discussion—Remission of Type 2 Diabetes—Fact or Fiction?*

4:30 p.m.-6:10 p.m.

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
**Menopause and Diabetes**  
Chair: Monique M. Hedderson, PhD  
4:30 p.m.-4:50 p.m.  
*Effects of Diabetes on Ovarian Aging*  
Melissa F. Wellons, MD  
4:50 p.m.-5:10 p.m.  
*Vasomotor Symptoms and Diabetes Risk*  
Kristen E. Gray, PhD  
5:10 p.m.-5:30 p.m.  
*Effects of Diabetes on Menopause Onset and Symptoms and Osteoporosis*  
Sarit Polsky, MD, MPH  
5:30 p.m.-5:50 p.m.  
*Novel Treatments to Improve β-Cell Function in Obese Menopausal Women*  
Dragana Lovre, MD  
5:50 p.m.-6:10 p.m.  
*Associations of Steroid Sex Hormones Type 2 Diabetes Risk in Women*  
Taulant Muka, MD, MPH, PhD

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

**Symposium**  
*Theme Area: Acute and Chronic Complications*  
**Joint ADA/ASN Symposium—Targeting Diabetic Kidney Disease (DKD)—Are We Ready for Precision Medicine Trials?**  
Chair: Robert G. Nelson, MD, PhD  
4:30 p.m.-5:00 p.m.  
*Molecular Mechanism of DKD—More Than One Disease?*  
Tobias B. Huber, MD  
5:00 p.m.-5:30 p.m.  
*Identifying Noninvasive Treatment Response Biomarkers for Patient Stratification*  
Wenjun Ju, PhD  
5:30 p.m.-6:00 p.m.  
*Developing a Path Forward for Innovative Trial Design in DKD—A Regulator’s Perspective*  
Peter Mol, PhD, PharmD  
6:00 p.m.-6:30 p.m.  
*Implementation of Precision Medicine Trials in DKD*  
Hiddo L. Heerspink, PhD

*Information is subject to change. Sessions current as of 4/30/20.*
SUNDAY, JUNE 14, 2020

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

Current Issues
Theme Area: Acute and Chronic Complications
Debate—Reconciling Guideline Recommendations for Cardiovascular Risk and Disease Management in Type 2 Diabetes
Chair: Sanjay Kaul, MD, FACC, FAHA
Should Blood Pressure Target for all Individuals with Type 2 Diabetes and Hypertension Be <130/80 mmHg?
4:30 p.m.-5:00 p.m. Yes, as Recommended by the 2017 ACC/AHA Guidelines
Paul K. Whelton, MB, MD, MSc
5:00 p.m.-5:30 p.m. No, It Depends on Underlying Risk and whether It Can Be Safely Attained as Recommended by the 2019 ADA Standards of Care
Raymond Townsend, MD

Debate—Should Metformin Be Considered First-Line Therapy for Individuals with Type 2 Diabetes with Established Arteriosclerotic Cardiovascular Disease (ASCVD) or at High Risk for ASCVD?
5:30 p.m.-6:00 p.m. No Longer Justified, per the 2019 ESC/EASD Recommendations
Francesco Cosentino, MD, PhD, FESC
6:00 p.m.-6:30 p.m. Yes, It Is Time Tested and Proven, as Recommended by the 2019 ADA Standards of Care
Melanie J. Davies, CBE, MB, ChB, MD, FRCP, FRCGP

Symposium
Theme Area: Clinical Diabetes/Therapeutics
What Will Be the Impact of Proposed Health Policy Changes on Diabetes Care?
Chair: Robert E. Ratner, MD
4:30 p.m.-5:10 p.m. Coverage for Preexisting Conditions and Essential Medications
Kasia J. Lipska, MD, MHS, BS
5:10 p.m.-5:50 p.m. The Future of Medicaid
Rebecca Myerson, MPH, PhD
5:50 p.m.-6:30 p.m. Commercial Health Insurance and the Expansion of High-Deductible Health Plans
J. Frank Wharam, MD, MPH

Symposium
Theme Area: Epidemiology/Genetics
Population Health Efforts in the Prevention and Treatment of Diabetes
Chair: Lynne E. Wagenknecht, DrPH
4:30 p.m.-5:00 p.m. Looking to the Future of the National Diabetes Prevention Program—Building on Successes and Overcoming Challenges
Natalie D. Ritchie, PhD
5:00 p.m.-5:30 p.m. Clinical Decision Support Tools and Their Role in the Prevention of Diabetes
Matthew O’Brien, MD, MS
5:30 p.m.-6:00 p.m. Clinical Decision Support Tools and Their Role in the Treatment of Diabetes
Brian J. Wells, MD, PhD
6:00 p.m.-6:30 p.m. Balancing Individual and Societal Approaches to Diabetes Prevention
Simon Griffin, FRCP, FMedSci

Information is subject to change. Sessions current as of 4/30/20.
SUNDAY, JUNE 14, 2020

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

Symposium
Theme Area: Insulin Action/Molecular Metabolism
Nonalcoholic Steatohepatitis (NASH)—Emerging Concepts and Opportunities
Chair: Jiandie Lin, PhD

4:30 p.m.-5:00 p.m.  New Insights into Liver Macrophages in NASH Pathogenesis
Frank Tacke, MD, PhD

5:00 p.m.-5:30 p.m.  Inflammation and Cell Death in NASH
Laura Nagy, PhD

5:30 p.m.-6:00 p.m.  Gating NASH Progression by Brown Adipose Thermogenesis
Liangyou Rui, PhD

6:00 p.m.-6:30 p.m.  Novel Mechanisms and Therapeutic Opportunities in Liver Fibrosis in NASH
Ira Tabas, MD, PhD
SUNDAY, JUNE 14, 2020

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Limb Salvage—Cell Therapy to Care-Delivery Systems (With Roger Pecoraro Award Lecture and ADA Presidents’ Select Abstract Presentation)

4:30 p.m.-5:00 p.m.

Roger Pecoraro Award Lecture

Collaboration for the Advancement of Diabetic Foot Research and Education

Lee J. Sanders, DPM

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)

(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

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

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
The Far-Reaching Field of Clinical Nutrition—Food Insecurity, Famine, Fasting, and Fat Intake

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

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

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Insulin Therapies

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

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

Oral Presentations
Theme Area: Epidemiology/Genetics
Genetics of Type 2 Diabetes and Identifying Targets

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

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

Oral Presentations
Theme Area: Immunology/Transplantation
Novel Insights into the Autoimmunity of Diabetes (With ADA Presidents' Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
SUNDAY, JUNE 14, 2020

4:30 p.m.–6:30 p.m.
(continued)

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Identity Crisis? Maintaining and Manufacturing Beta Cells (With ADA Presidents' Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

Scientific Sessions
8:00 a.m.-10:00 a.m.

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Addressing Care Gaps—New Frontiers for Diabetes Nutrition Providers and Services
Chair: Alison Evert, MS, RD, CDE
8:00 a.m.-8:30 a.m. REAL HEALTH Diabetes—Translating Look AHEAD into Usual Care at Community Health Centers
Linda M. Delahanty, MS, RDN
8:30 a.m.-9:00 a.m. Expanding Access to Nutrition and Diabetes Education through Innovative Technology
Jodi S. Krall, PhD
9:00 a.m.-9:30 a.m. A New Era—Leveraging RDNs in Medication Management in Reducing Therapeutic Inertia
Gretchen Benson, RDN, CDE
9:30 a.m.-10:00 a.m. Food Is Medicine—Prescribing Food as a Specialty Drug for Food-Insecure People with Diabetes
Michelle Passaretti, MSN, BSN, RN, CCM

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Utilizing Diabetes Technology in the Real World—Tools of the Trade
Chair: Cari Berget, RN, MPH, CDE
8:00 a.m.-8:30 a.m. Innovative Models that Educate Patients and Care Teams on Continuous Glucose Monitoring Use
Diana Isaacs, PharmD, BCPS, BCACP, BC-ADM, CDCES
8:30 a.m.-9:00 a.m. Continuous Glucose Monitoring—Using Trend Arrows as a Road Map to Increase Time-in-Range
Jeniece T. Ilkowitz, MA, BSN, RN, CDE
9:00 a.m.-9:30 a.m. Educating Patients to Succeed with Advanced Pump Therapy
Laurel H. Messer, RN, PhD, CDE
9:30 a.m.-10:00 a.m. The Do-It-Yourself Movement—How Do We Manage Patients That Are Looping?
Julia E. Blanchette, PhD, RN, CDCES

Symposium
Theme Area: Clinical Diabetes/Therapeutics
How Do GLP-1 Receptor Agonists Provide Cardioprotection?
Chair: Lawrence Blonde, MD, FACP, MACE
8:00 a.m.-8:40 a.m. GLP-1 Receptor Agonists and Cardiovascular Outcomes—The Evidence
Mansoor Husain, MD, FRCPC
8:40 a.m.-9:20 a.m. GLP-1 and Atherosclerosis—Direct and Indirect Mechanisms
Sanjay Rajagopalan, MD
9:20 a.m.-10:00 a.m. GLP-1 and Cardioprotection—Where Are the Cellular Targets?
Daniel J. Drucker, MD
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Update from the TEDDY Study
Chair: Jeffrey Krischer, PhD
8:00 a.m.-8:30 a.m. Determinants of Islet Autoimmunity and Clinical Implications
Marian Rewers, MD, PhD
8:30 a.m.-9:00 a.m. Metabolome Signals in the TEDDY Study
Qian Li, PhD
9:00 a.m.-9:30 a.m. HbA1c—Is It a Good Diagnostic Predictor of Type 1 Onset in a Pediatric Population?
Kendra Vehik, PhD, MPH
9:30 a.m.-10:00 a.m. Dissecting the Type 1 Diabetes and Celiac Disease Overlap in the TEDDY Study
William Hagopian, MD, PhD

Symposium
Theme Area: Epidemiology/Genetics
From Genome-Wide Association Studies to Multiomics—Defining Diabetes Risk and Clinical Relevance
Chair: TBD
8:00 a.m.-8:30 a.m. Diabetes Research Using Biobanks and Multiomics Technologies
Guillaume Pare, MD
8:30 a.m.-9:00 a.m. Multiomic Approaches in Explaining Diabetes Risk
Praveen Sethupathy, PhD
9:00 a.m.-9:30 a.m. Epigenomics and Risk of Type 2 Diabetes
Kyle J. Gaulton, PhD
9:30 a.m.-10:00 a.m. Epigenomics and Risk of Gestational Diabetes
Marie-France Hivert, MD, MMSc

Symposium
Theme Area: Integrated Physiology/Obesity
Joint ADA/EASD Symposium—Leveraging Metabolism to Prevent, Treat, or Cure Type 1 Diabetes
Chair: Ananda Basu, MD
Alternate: Stefano Del Prato, MD
8:00 a.m.-8:30 a.m. Treatment—Closed-Loop Trials in the U.S.
R. Paul Wadwa, MD
8:30 a.m.-9:00 a.m. Treatment—Closed-Loop Trials in Europe
Charlotte K. Boughton, MRCP, PhD
9:00 a.m.-9:30 a.m. Prevention—Oral Insulin in Toddlers with Genetic Risk of Type 1 Diabetes Pan European Trial
Olga Kordonouri, PhD
9:30 a.m.-10:00 a.m. Commentary on the Future of Type 1 Diabetes Management—Treatment or Cure?
Closed-Loop Trials, Immunomodulation, or Both?
Jay S. Skyler, MD, MACP

Information is subject to change. Sessions current as of 4/30/20.
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Symposium
Theme Area: Islet Biology/Insulin Secretion
Trouble in the Neighborhood—Endocrine/Exocrine Interactions in Diabetes
Chair: Martha Campbell-Thompson, DVM, PhD
8:00 a.m.-8:30 a.m.  The Link between Pancreatic Cancer and Diabetes
                   Suresh T. Chari, MD
8:30 a.m.-9:00 a.m.  Genetic Links between Pancreatitis and Diabetes
                   Scott A. Oakes, MD
9:00 a.m.-9:30 a.m.  Hypusine Biosynthesis Is Critical for Exocrine Pancreas Development
                   Teresa L. Mastracci, PhD
9:30 a.m.-10:00 a.m. Interrogating a Duct-Islet Axis—Cystic Fibrosis
                    Andrew Norris, MD, PhD
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.

Oral Presentations
Theme Area: Acute and Chronic Complications
Hypoglycemia—Guts and Garters

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
*Theme Area: Clinical Diabetes/Therapeutics*
*Preventing Type 1 and Type 2 Diabetes (With ADA Presidents’ Select Abstract Presentation)*

*(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)*
*(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)*
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Epidemiology/Genetics
Diabetes across the Lifespan

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Immunology/Transplantation
Preclinical Studies in Animal Models of Diabetes

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

8:00 a.m.-10:00 a.m.
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Peripheral Insulin Action

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

10:10 a.m.-11:45 a.m.
National Scientific & Health Care Achievement Awards Presentation
and
Outstanding Scientific Achievement Award Lecture
Emerging Endocrine and Paracrine Hormones in Health and Metabolic Disease
Jiandie Lin, PhD

12:00 p.m.-1:00 p.m.

Professional Interest Group Discussion
Theme Area: Clinical Diabetes Therapeutics
Professional Interest Group Discussion on Diabetes Technology—Interpreting Time-in-Range in Different Populations and Situations
Chair: Anne L. Peters, MD
12:00 p.m.-12:15 p.m. Time-in-Range as a Research Outcome Measure
John R. Petrie, PhD, FRCP
12:15 p.m.-12:30 p.m. Interpreting Time-in-Range during Pregnancy
Viral Shah, MD
12:30 p.m.-12:45 p.m. Interpreting Time-in-Range in Children
Jenise C. Wong, MD, PhD
12:45 p.m.-1:00 p.m. Utilizing Time-in-Range for Pre-Op Clearance
Joseph A. Aloj, MD

Professional Interest Group Discussion
Theme Area: Clinical Diabetes/Therapeutics
Professional Interest Group Discussion on Health Care Delivery and Quality Improvement—Leveraging Population Health Methods to Improve Diabetes Care
Chair: Mary K. Rhee, MD
12:00 p.m.-12:40 p.m. Implementing the Lessons of the Diabetes Prevention Program
Ronald T. Ackermann, MD, MPH
Tannaz Moin, MD, MBA, MSHS
12:40 p.m.-1:00 p.m. Improving Population Health in Underserved Communities with Type 2 Diabetes
Athena Philis-Tsimikas, MD

Professional Interest Group Discussion
Theme Area: Clinical Diabetes/Therapeutics
Professional Interest Group Discussion on Pregnancy and Reproductive Health—All Pregnant Women with Preexisting Diabetes Should Take Low-Dose Aspirin to Prevent Preeclampsia
Chair: Mary R. Loeken, PhD
12:00 p.m.-12:30 p.m. Pro
Fionnuala Breathnach, MD, MRCOG, FRCPI, DCH, DipGUMed
12:30 p.m.-1:00 p.m. Con
Ellen W. Seely, MD
MONDAY, JUNE 15, 2020

12:00 p.m.-1:00 p.m.
(continued)

Professional Interest Group Discussion
Theme Area: Epidemiology/Genetics
Professional Interest Group Discussion on Public Health and Epidemiology—Diabetes and Built Environment
Chair: Hsin-Chieh "Jessica" Yeh, PhD
12:00 p.m.-12:20 p.m. Welcome and Michaela Modan Memorial Award Presentation
Hsin-Chieh "Jessica" Yeh, PhD
12:20 p.m.-12:40 p.m. Built Environment and Diabetes Risks and Related Outcomes
Gillian Booth, MD, MSc
12:40 p.m.-1:00 p.m. Built Environment and Disadvantaged Communities
Tiffany L. Gary-Webb, PhD, MHS

Professional Interest Group Discussion
Theme Area: Immunology/Transplantation
Professional Interest Group Discussion on Immunology, Immunogenetics, and Transplantation—Next Generation in Immunotherapy in Type 1 Diabetes
Chair: Todd M. Brusko, PhD
12:00 p.m.-12:20 p.m. Immunomodulation Followed by Antigen-Specific T(reg) Infusion Controls Islet Autoimmunity
Allison L. Bayer, PhD
12:20 p.m.-12:40 p.m. Extending Remission and Reversing New-Onset Type 1 Diabetes by Targeted Ablation of Autoreactive T-Cells
Kaitlin Carroll, PhD
12:40 p.m.-1:00 p.m. Altered Function of Antigen-Presenting Cells in Type 1 Diabetes—A Challenge for Antigen-Specific Immunotherapy?
Jorge Postigo Fernandez, PhD

1:00 p.m.-2:00 p.m.
Session Break
Take this opportunity to visit the Virtual Exhibit and Poster Halls
MONDAY, JUNE 15, 2020

2:15 p.m.-3:15 p.m.

Current Issues
Theme Area: Clinical Diabetes/Therapeutics
Debate—Primary Cardiovascular Prevention with SGLT2 Inhibitors or GLP-1 Receptor Agonists—Are We Ready for Prime Time?
Chair: Julio Rosenstock, MD
2:15 p.m.-2:40 p.m. Yes, We Are Ready for Prime Time
Mikhail N. Kosiborod, MD
2:40 p.m.-3:05 p.m. No, We Are Not Ready for Prime Time
Darren K. McGuire, MD, MHSc
3:05 p.m.-3:10 p.m. Rebuttal
Mikhail N. Kosiborod, MD
3:10 p.m.-3:15 p.m. Rebuttal
Darren K. McGuire, MD, MHSc

2:15 p.m.-3:55 p.m.

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Disparities in Diabetes and Diabetes Care—What Can We Do about It?
Chair: Tricia S. Tang, PhD, RPsych
2:15 p.m.-2:35 p.m. Disparities in Care Delivery in Diabetes—Strategies for Underrepresented and Underserved Young Adults
Shivani Agarwal, MD
2:35 p.m.-2:55 p.m. Patient-Centered Approaches to Addressing Latino Diabetes Disparities
Arshiya A. Baig, MD, MPH
2:55 p.m.-3:15 p.m. Community and Family-Based Strategies to Improve Type 1 Diabetes Management in African American and Latino School-Aged Children
Ashley Butler, PhD
3:15 p.m.-3:35 p.m. Translating Diabetes Self-Management Support to Reach Socioeconomically Disadvantaged and Ethnic Minority Adults with Type 2 Diabetes
Jeffrey S. Gonzalez, PhD
3:35 p.m.-3:55 p.m. Innovative Approaches to Address Disparities in African Americans with Type 2 Diabetes—An Important Role for Pastors and Church Leaders
Elizabeth Lynch, PhD

Information is subject to change. Sessions current as of 4/30/20.
MONDAY, JUNE 15, 2020

2:15 p.m.-4:15 p.m.

Symposium
Theme Area: Acute and Chronic Complications
Hypoglycemia—All about the Brain
Chair: Amir Moheet, MBBS
2:15 p.m.-2:45 p.m. Central Mechanisms of Hypoglycemia Awareness
Rory J. McCrimmon, MD
2:45 p.m.-3:15 p.m. Brain Imaging in Hypoglycemia—How Does It Relate to Clinical Practice?
Pratik Choudhary, MD
3:15 p.m.-3:45 p.m. Cognitions and Beliefs That Increase Hypoglycemia Risk
Linda Gonder-Frederick, PhD
3:45 p.m.-4:15 p.m. Personality and Hypoglycemia Risk
Therese C. Anderbro, PhD, Lic. Psychologist

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Physical Activity and Diabetes—When, How Much, Insulin Adjustments, and More
Chair: Ronald J. Sigal, MD, MPH, FRCPC
2:15 p.m.-2:45 p.m. Exercise Timing Matters, or Does It? When to Be Active
Jane E. Yardley, PhD
2:45 p.m.-3:15 p.m. Exercise Volume Considerations for Type 2 Diabetes
Normand G. Boulé, PhD
3:15 p.m.-3:45 p.m. Can Insulin Be Optimally Managed for Exercise? How to Adjust Dosing
Rémi Rabasa-Lhoret, MD, PhD
3:45 p.m.-4:15 p.m. Have Diabetic Feet? How to Use New Technologies to Manage Activity
David G. Armstrong, DPM, MD, PhD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Artificial Intelligence (AI), Machine Learning, and Diabetes
Chair: TBD
2:15 p.m.-2:55 p.m. AI for Risk Assessment and Blood Glucose Control
Josep Vehi, PhD
2:55 p.m.-3:35 p.m. Use of AI to Tailor Medical Therapy for Type 2 Diabetes (Precision Medicine)
Adrian Aguilera, PhD
3:35 p.m.-4:15 p.m. Use of AI to Screen for Complications
Arianna Dagliati, PhD
Symposium
Theme Area: Clinical Diabetes/Therapeutics
Fetal Sex and Pregnancy Outcomes
Chair: Carrie E. McCurdy, PhD
2:15 p.m.-2:45 p.m.  Maternal Diabetes and Sex of the Offspring
Samantha F. Ehrlich, PhD, MPH
2:45 p.m.-3:15 p.m.  Fetal Sex Influences Maternal Diabetes Risk and Pregnancy Complications
Claire T. Roberts, BA, BSc (Hons), PhD
3:15 p.m.-3:45 p.m.  Sex Differences in Prenatal Programming of Metabolic Syndrome—Role of Maternal-Fetal Androgens in Pregnancy
Grace Huang, MD
3:45 p.m.-4:15 p.m.  Sex Differences in Metabolic Programming by Maternal Obesity
Susan Ozanne, PhD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Chinese Diabetes Society Symposium—Novel Antidiabetic Approaches and Potential Targets
Chair: Weiping Jia, MD
2:15 p.m.-2:45 p.m.  Thirty-Year Update of the Daqing Diabetes Study
Guangwei Li, MD
2:45 p.m.-3:15 p.m.  The Antidiabetic Effect of Dorzagliatin in Chinese Patients with Type 2 Diabetes
Dalong Zhu, MD, PhD
3:15 p.m.-3:45 p.m.  Diabetes Originates from the Liver
Xiaoying Li, MD, PhD
3:45 p.m.-4:15 p.m.  Nutrient Sensing and Metabolic Regulation in the Liver
Yu Li, PhD

Symposium
Theme Area: Epidemiology/Genetics
Twenty Years of Pediatric Diabetes Surveillance—What Do We Know and Why It Matters—The SEARCH for Diabetes in Youth Study
Chair: Dana Dabelea, MD, PhD
2:15 p.m.-2:45 p.m.  The Changing Landscape of Pediatric Diabetes in the U.S.
Jean M. Lawrence, ScD, MPH, MSSA
2:45 p.m.-3:15 p.m.  Disparities in Morbidity and Mortality Associated with Pediatric Diabetes
Amy K. Mottl, MD, MPH, FASN
3:15 p.m.-3:45 p.m.  Psychosocial and Behavioral Correlates of Pediatric Diabetes
Katherine A. Sauder, PhD
3:45 p.m.-4:15 p.m.  Barriers to Care, Cost, and Care Transitions
Catherine Pihoker, MD

Information is subject to change. Sessions current as of 4/30/20.
MONDAY, JUNE 15, 2020

2:15 p.m.-4:15 p.m.
(continued)

**Symposium**
*Theme Area: Immunology/Transplantation*

**The Human Pancreas in Type 1 Diabetes**
Chair: Clayton E. Mathews, PhD

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>2:15 p.m.-2:45 p.m.</td>
<td><strong>Heterogeneity in the Type 1 Diabetes Pancreas</strong></td>
<td>Mark A. Atkinson, PhD</td>
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<td>2:45 p.m.-3:15 p.m.</td>
<td><strong>Loss of Endocrine and Exocrine Mass in Type 1 Diabetes</strong></td>
<td>Martha Campbell-Thompson, DVM, PhD</td>
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<td>3:15 p.m.-3:45 p.m.</td>
<td><strong>Beta Cells Releasing Information</strong></td>
<td>Anath Shalev, MD</td>
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<td>3:45 p.m.-4:15 p.m.</td>
<td><strong>T-Cells in the Islets—What Do They See?</strong></td>
<td>Maki Nakayama, MD, PhD</td>
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**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*

**Inter-organ Cross Talk in Physiology and Metabolic Disease**
Chair: C. Ronald Kahn, MD

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<th>Time</th>
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<th>Speaker</th>
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<tr>
<td>2:15 p.m.-2:45 p.m.</td>
<td><strong>Role of the Nervous System in Mediating the Physiology and Pharmacology of FGF21</strong></td>
<td>Steven Kliewer, PhD</td>
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<tr>
<td>2:45 p.m.-3:15 p.m.</td>
<td><strong>The Role of Exosomes in Mediating Inter-organ Cross Talk</strong></td>
<td>Ichiro Shimomura, MD</td>
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<tr>
<td>3:15 p.m.-3:45 p.m.</td>
<td><strong>Inter-organ Effects Mediating the Beneficial Effects of Exercise on Metabolism</strong></td>
<td>Laurie J. Goodyear, PhD</td>
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<td>3:45 p.m.-4:15 p.m.</td>
<td><strong>Lipids as Mediators of Inter-organ Cross Talk in Metabolism</strong></td>
<td>Judith Simcox, BA, PhD</td>
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MONDAY, JUNE 15, 2020

2:15 p.m.-4:15 p.m.

Oral Presentations

Theme Area: Acute and Chronic Complications

Firsthand Look at Provoking Translational and Clinical Studies in Diabetic Kidney Disease (With ADA Presidents’ Select Abstract Presentation)

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

2:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Integrated Physiology/Obesity
Integrative Physiology—Muscling in on Liver

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

2:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
A (Dys)functional Family—Insulin and Glucagon Secretion

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
**Weekly Basal Insulin—The Wave of the Future?**  
Chair: TBD

3:15 p.m.-3:35 p.m.  
*Do We Need Even Longer-Acting Basal Insulin Analogos?*  
Philip Home, DM, DPhil

3:35 p.m.-3:55 p.m.  
*Novel Pharmacological Strategies to Develop Weekly Insulin*  
J. Hans DeVries, MD, PhD

3:55 p.m.-4:15 p.m.  
*Weekly Basal Insulin Analogos—Clinical Evidence So Far!*  
Stefano Del Prato, MD

4:30 p.m.-6:10 p.m.

**Symposium**  
*Theme Area: Acute and Chronic Complications*  
**Novel Approaches for Cell and Tissue Interrogation—Using the Kidney as a Model**  
Chair: Katherine R. Tuttle, MD, FACP, FASN, FNKF

4:30 p.m.-4:50 p.m.  
*The Value of Kidney Biopsies to Empower New Discoveries in Diabetic Kidney Disease*  
Matthias Kretzler, MD

4:50 p.m.-5:10 p.m.  
*Linking Structure to Function in Early Diabetic Kidney Disease via Single Cell Analysis in Renal Biopsy Cohorts*  
Rajasree Menon, PhD

5:10 p.m.-5:30 p.m.  
*Visualizing Diabetic Kidney Disease Damage by 3D Multifluorescence Biopsy Imaging*  
Tarek Ashkar (El-Achkar), MD

5:30 p.m.-5:50 p.m.  
*Interrogation of Kidney Disease with Spatial Transcriptomics*  
Jamie Marshall, PhD

5:50 p.m.-6:10 p.m.  
*Lessons from Single Cell Genomics and Kidney Organoids*  
Anna Greka, MD, PhD

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

**Symposium**  
*Theme Area: Clinical Diabetes Therapeutics*  
**The Year in Review—Highlights of the Past Year in Basic, Translational, and Clinical Science**  
Chair: Julio Rosenstock, MD

4:30 p.m.-5:10 p.m.  
*Basic Science*  
Alan Saltiel, PhD

5:10 p.m.-5:50 p.m.  
*Translational Science*  
Lora K. Heisler, PhD

5:50 p.m.-6:30 p.m.  
*Clinical Science*  
David M. Nathan, MD

Information is subject to change. Sessions current as of 4/30/20.
MONDAY, JUNE 15, 2020

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

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

**Interpreting Cardiovascular Outcomes Trials—Implications for Practice**
Chair: Yehuda Handelsman, MD

4:30 p.m.-4:40 p.m. **Which Medication Is Best to Prevent a Cardiovascular Event in a Patient with Type 2 Diabetes and Established or at High Risk for Heart Disease?**
Yehuda Handelsman, MD

4:40 p.m.-4:50 p.m. **Case Presentation**
Yehuda Handelsman, MD

4:50 p.m.-5:10 p.m. **Choosing a GLP-1 Receptor Agonist**
Ofri Mosenzon, MD, MSc

5:10 p.m.-5:30 p.m. **Choosing an SGLT2 Inhibitor**
Sunder Mudaliar, MD

5:30 p.m.-5:50 p.m. **Choosing a PCSK9 Inhibitor**
Christopher Cannon, MD

5:50 p.m.-6:10 p.m. **Choosing a Fish Oil**
Sergio Fazio, MD, PhD

6:10 p.m.-6:30 p.m. **Panel Discussion—Choosing the “Winning” Medication**

**Symposium**
*Theme Area: Epidemiology/Genetics*

**Perspectives on the Future of Precision Diabetes Medicine—A Joint ADA/EASD Symposium**
Chair: Paul W. Franks, PhD

4:30 p.m.-4:45 p.m. **Introduction**
Paul W. Franks, PhD

4:45 p.m.-5:20 p.m. **Optimizing Precision Medicine in Diabetes Using Monogenic Testing**
Andrew T. Hattersley, FRCP, DM

5:20 p.m.-5:55 p.m. **How Can We Better Target Treatment to Lower HbA1c in Patients with Type 2 Diabetes?**
Ewan Pearson, PhD

5:55 p.m.-6:30 p.m. **Are Precision Medicine-Based Diabetes Guidelines Translatable across Populations?**
James B. Meigs, MD, MPH

**Symposium**
*Theme Area: Integrated Physiology/Obesity*

**Cognitive Function in Obesity and Appetite Regulation**
Chair: Shenelle Alyse Edwards-Hampton, PhD

4:30 p.m.-5:10 p.m. **The Bidirectional Relationship between Obesity and Executive Function**
Luke E. Stoeckel, PhD

5:10 p.m.-5:50 p.m. **The Role of Cognitive Function on Obesity Treatment Success—Predictor, Outcome, or Both?**
Misty A.W. Hawkins, PhD

5:50 p.m.-6:30 p.m. **This Is Your Brain on Food—Food as an Addictive Substance**
Ashley N. Gearhardt, PhD

*Information is subject to change. Sessions current as of 4/30/20.*
MONDAY, JUNE 15, 2020

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

Symposium

Theme Area: Islet Biology/Insulin Secretion

It’s All in the Timing—Time and Age-Related Changes in Islet Function

Chair: Joseph T. Bass, MD, PhD

4:30 p.m.-5:00 p.m.  Type 2 Diabetes in Youth—A Different Disease?
Tamara S. Hannon, MD, MS

5:00 p.m.-5:30 p.m.  Age-Related Metabolic Rewiring of Pancreatic β-Cell Function
Matthew Wortham, PhD

5:30 p.m.-6:00 p.m.  Time Zones of Pancreatic Islet Metabolism
Charna Dibner, PhD

6:00 p.m.-6:30 p.m.  Role of the Islet Circadian Clock in Beta-Cell Maturation and Function
Aleksey Matveyenko, PhD

Information is subject to change. Sessions current as of 4/30/20.
MONDAY, JUNE 15, 2020

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

Oral Presentations
Theme Area: Acute and Chronic Complications
Clinical Management of and Novel Biomarkers for Diabetic Retinopathy

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Delivering Patient and Professional Diabetes Education across Diverse Populations

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Pediatric Type 1 Diabetes Potpourri

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

Oral Presentations
*Theme Area: Clinical Diabetes/Therapeutics*

**Incretin-Based Therapies**

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

Oral Presentations
Theme Area: Immunology/Transplantation
Refined Glycemic Phenotypes in the Transplant Setting

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
MONDAY, JUNE 15, 2020

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

Oral Presentations
Theme Area: Integrated Physiology/Obesity
Regulation of Hepatic Metabolism and Hepatokine Action

(Oral Presentation Titles Will Be Made Available Online on Friday, May 15)
(Embargoed Text of Abstracts Will Be Made Available Online on Tuesday, June 9)
TUESDAY, JUNE 16, 2020

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

Current Issues
Theme Area: Acute and Chronic Complications
Debate—Microvascular and Macrovascular Complications of Diabetes Are Distinct Pathophysiologic Entities
Chair: Anne L. Peters, MD
The Endocrinologist’s Perspective
8:00 a.m.-8:15 a.m. Definitely Yes
Ralph A. DeFronzo, MD
8:15 a.m.-8:30 a.m. No, They Are Part of a Continuum
Deborah J. Wexler, MD, MSc
The Cardiologist’s Perspective
8:30 a.m.-8:45 a.m. Definitely Yes
Jasper Tromp, MD, PhD
8:45 a.m.-9:00 a.m. No, They Are Part of a Continuum
Sanjiv J. Shah, MD

8:00 a.m.-9:40 a.m.

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Diabetes Meets the Sandman—Sleep, Diabetes, and Glycemic Management
Chair: TBD
8:00 a.m.-8:20 a.m. Which Comes First—Poor Sleep or Poor Glycemic Control?
Susana R. Patton, PhD
8:20 a.m.-8:40 a.m. Mechanisms Linking Sleep to Glycemic Control
Erin C. Hanlon, PhD
8:40 a.m.-9:00 a.m. Addressing Zzz’s in Diabetes Management
Michelle Perfect, PhD
9:00 a.m.-9:20 a.m. Technology and Overnight Diabetes Management—Is Nighttime Still the Worst Time?
Michelle A. Van Name, MD
9:20 a.m.-9:40 a.m. To Sleep or Not to Sleep? That Is the Question for Youth with Type 1 Diabetes
Sarah S. Jaser, PhD

8:00 a.m.-10:00 a.m.

Symposium
Theme Area: Clinical Diabetes/Therapeutics
SGLT2 Inhibitors—How Do They Reduce Cardiorenal Disease?
Chair: TBD
8:00 a.m.-8:40 a.m. It Is a Metabolic Mediation
Ele Ferrannini, MD
8:40 a.m.-9:20 a.m. Primary Effect Is in the Heart
Subodh Verma, MD, PhD, FRCSC
9:20 a.m.-10:00 a.m. Primary Effect Is in the Kidney
David Cherney, MD, PhD

Information is subject to change. Sessions current as of 4/30/20.
TUESDAY, JUNE 16, 2020

8:00 a.m.-10:00 a.m.
(continued)

Symposium
Theme Area: Epidemiology/Genetics
New Data on Clinical Outcomes from the Diabetes Prevention Program Outcomes Study (DPPOS)
Chair: William C. Knowler, MD, DrPH
8:00 a.m.-8:20 a.m. Overview of the DPPOS
  David M. Nathan, MD
8:20 a.m.-8:40 a.m. Microvascular Complications
  Mark Molitch, MD
8:40 a.m.-9:10 a.m. Metformin and Lifestyle Effects on Cardiovascular Events
  Ronald B. Goldberg, MD
9:10 a.m.-9:40 a.m. Metformin and Lifestyle Effects on Cancer Incidence
  Brandy M. Heckman-Stoddard, PhD, MPH
9:40 a.m.-10:00 a.m. Age-Sensitive Outcomes in the DPPOS
  Jose A. Luchsinger-Stuart, MD, MPH

Symposium
Theme Area: Immunology/Transplantation
Immune Intervention During the Stages of Type 1 Diabetes Development—Type 1 Diabetes TrialNet
Chair: Jessica L. Dunne, PhD
8:00 a.m.-8:40 a.m. Progressing through the Stages of Type 1 Diabetes
  Diane K. Wherrett, MD, FRCPC
8:40 a.m.-9:20 a.m. The Anti-CD3 Antibody Teplizumab Delays Type 1 Diabetes Onset in Stage 2 Type 1 Diabetes—Responder Characteristics
  S. Alice Long, PhD
9:20 a.m.-10:00 a.m. Response to Low-Dose Anti-thymocyte Globulin in Stage 3 Type 1 Diabetes
  Laura M. Jacobsen, MD

Symposium
Theme Area: Integrated Physiology/Obesity
Economic Drivers of Obesity Treatment—From Individuals to Systems
Chair: Sangeeta Kashyap, MD
8:00 a.m.-8:30 a.m. Financial Incentives for Weight Management
  Amy E. Rothberg, MD, PhD
8:30 a.m.-9:00 a.m. Overcoming Economic Barriers to Treating Obesity
  Kimberly Gudzune, MD, MPH, FTOS
9:00 a.m.-9:30 a.m. Cost-Effective Models of Care for Obesity Treatment
  Bartolome Burguera, MD, PhD
9:30 a.m.-10:00 a.m. Clinical Assessment of Social Determinants of Health in Patients with Obesity
  Monica E. Peek, MD, MPH, MSc

Information is subject to change. Sessions current as of 4/30/20.
TUESDAY, JUNE 16, 2020

8:00 a.m.-10:00 a.m.
(continued)

Symposium
Theme Area: Islet Biology/Insulin Secretion
What’s New with GLP-1?
Chair: Jonathan Campbell, PhD
8:00 a.m.-8:30 a.m. Role of Incretins in Glucose Homeostasis
Filip K. Knop, MD, PhD
8:30 a.m.-9:00 a.m. Bariatric Surgery and a New Pathway in the Regulation of Alpha Cell GLP-1
Bethany Cummings, DVM, PhD
9:00 a.m.-9:30 a.m. Neprilysin—An Underappreciated Player in GLP-1 Action
Sakeneh Zraika, PhD
9:30 a.m.-10:00 a.m. The Role of Alpha-Cell GLP-1 in Physiology and Stress
Darleen A. Sandoval, PhD

9:00 a.m.-10:00 a.m.

Current Issues
Theme Area: Acute and Chronic Complications
Debate—Drawing the Line between Primary and Secondary Prevention—Necessary or Too Simplistic?
Chair: TBD
Atherothrombotic Complications
9:00 a.m.-9:15 a.m. Necessary
Christie M. Ballantyne, MD
9:15 a.m.-9:30 a.m. Too Simplistic
Roger Scott Blumenthal, MD
Heart Failure Complications
9:30 a.m.-9:45 a.m. Necessary
Milton Packer, MD
9:45 a.m.-10:00 a.m. Too Simplistic
Javed Butler, MD, MPH, MBA

Information is subject to change. Sessions current as of 4/30/20.
Symposium
Theme Area: Acute and Chronic Complications
Results of the eValuation of ERTugliflozin Efficacy and Safety CardioVascular Outcomes Trial (VERTIS-CV)
Chair: Javed Butler, MD, MPH, MBA
10:15 a.m.-10:35 a.m. Introduction, Study Rationale, and Design
        Richard E. Pratley, MD
10:35 a.m.-10:55 a.m. Baseline Characteristics and Metabolic Results
        Samuel Dagogo-Jack, MD, DSc
10:55 a.m.-11:15 a.m. Cardiovascular and Renal Outcomes
        Christopher Cannon, MD
11:15 a.m.-11:35 a.m. Safety Results and Updated Cardiovascular Meta-analysis
        Darren K. McGuire, MD, MHSc
11:35 a.m.-11:55 a.m. Overall Conclusions
        David Cherney, MD, PhD
11:55 a.m.-12:15 p.m. Independent Commentary
        Mark E. Cooper, MBBS, PhD

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