Welcome to the American Diabetes Association’s hybrid 84th Scientific Sessions in sunny Orlando.

As the world's largest meeting on diabetes, the Scientific Sessions is both a leading educational gathering and a unique opportunity to network with colleagues from over 115 countries. We couldn’t be more excited to reconnect and accelerate progress towards preventing and curing diabetes and improving the lives of all people affected by diabetes.

This guide includes maps and the day-at-a-glance schedule. For full program details, use the online planner/mobile app. The 84th Scientific Sessions app is compatible with iOS and Android devices.

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Orlando Convention Center

West Concourse Level 4
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<tr>
<td>10:30 a.m.–11:30 a.m.</td>
<td>Welcome to the 84th ADA Scientific Sessions—Keynote Address by Robert M. Califf, MD and Panel Discussion</td>
<td>West Hall B3-4 (General Session)</td>
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<td>11:30 a.m.–12:30 p.m.</td>
<td>&quot;Pathway to Stop Diabetes&quot; (Includes Livestream)</td>
<td>West Hall B3-4 (General Session)</td>
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<td>12:30 p.m.–1:30 p.m.</td>
<td>ORAL PRESENTATIONS AC-OR06-1 Multigorgan Cross Talk in Lipid Metabolism</td>
<td>Room: W308</td>
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<tr>
<td>12:30 p.m.–1:30 p.m.</td>
<td>ORAL PRESENTATIONS BM-OR05-1 Exploring the Impact of Food/Food Additives on Inulin Sensitivity and Postprandial Glucose (With ADA Presidents' Select Abstract Presentation)</td>
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<td>12:30 p.m.–1:30 p.m.</td>
<td>ORAL PRESENTATIONS BM-OR06-1 Tools for Health Care Professionals That Assist in Personalizing Care</td>
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<td>12:30 p.m.–1:30 p.m.</td>
<td>ORAL PRESENTATIONS BM-OR07-1 Back to the Basics (Sciences of Exercise and Diabetes)</td>
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<td>12:30 p.m.–1:30 p.m.</td>
<td>ORAL PRESENTATIONS AC-OR08-1 Innovative Approaches in Diagnosing and Managing Diabetic Neuropathy (With ADA Presidents' Select Abstract Presentation)</td>
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<tr>
<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS BM-OR04-1 Practicable Methods to Improve Metabolic Parameters</td>
<td>Room: W307 (Valencia Ballroom)</td>
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<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS CT-OR01-1 How Will Artificial Intelligence Change Diabetes Clinical Practice? (Includes Livestream)</td>
<td>Room: W302 (Chapin Theater)</td>
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<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS CT-OR02-1 Screening for and Delaying Vascular Complications</td>
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<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS IE-OR03-1 Emerging New Players in Metabolic Regulation</td>
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<td>ORAL PRESENTATIONS IE-OR04-1 In Vivo Assessment of Insulin Action</td>
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<td>ORAL PRESENTATIONS IE-OR07-1 Diabetes Pathogenesis—The Inpatient Setting (Includes Livestream)</td>
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<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS IE-OR08-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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<td>ORAL PRESENTATIONS IE-OR11-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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<td>ORAL PRESENTATIONS IE-OR12-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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<td>ORAL PRESENTATIONS IE-OR13-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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<td>ORAL PRESENTATIONS IE-OR14-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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<td>2:00 p.m.–3:00 p.m.</td>
<td>ORAL PRESENTATIONS IE-OR15-1 New Technology—The Inpatient Setting (Includes Livestream)</td>
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**Keynote Address and Panel Discussion:**

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<td>SYMPOSIUM AC-SY15-1.5 Systemic Medications for Diabetic Retinopathy—Protective and Risk Factors</td>
<td>Room: W206</td>
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<td>SYMPOSIUM AC-SY15-1.5 Sex and Gender Dimorphism in Cardiovascular Disease Risk In Diabetes</td>
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<td>SYMPOSIUM AC-SY15-1.5 Joint ADA/Centers for Disease Control and Prevention Symposium—Pressure Points and Future Directions in the Prevention of Acute and Chronic Diabetes-Related Complications</td>
<td>Room: W307</td>
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<tr>
<td>5:30 p.m.</td>
<td>Acute and Chronic Complications</td>
<td>SYMPOSIUM AC-SY15-1.5 Systemic Medications for Diabetic Retinopathy—Protective and Risk Factors</td>
<td>Room: W206</td>
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<td>6:30 p.m.</td>
<td>Acute and Chronic Complications</td>
<td>SYMPOSIUM AC-SY15-1.5 Systemic Medications for Diabetic Retinopathy—Protective and Risk Factors</td>
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<td>Time</td>
<td>Acute and Chronic Complications</td>
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<td>Clinical Diabetes/Therapeutics</td>
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<tr>
<td>8:00 a.m.</td>
<td>SYMPOSIUM AC-SY10-1.5</td>
<td>SELECT Trial—New Looks at Glycemia, Inflammation, and Heart Failure (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</td>
<td>PANEL BM-SY13-1.5 Type 2 Diabetes and Exercise—Where Do We Stand? Room: W214</td>
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<td>SYMPOSIUM AC-SY12-1.5</td>
<td>NIDDK Early Career Investigator Symposium—Leveraging Social Support to Improve Diabetes Self-Management and Health Outcomes—Innovative Methods and Interventions Room: W311</td>
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<td>SYMPOSIUM BM-SY15-1.5</td>
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<td>SYMPOSIUM CT-SY23-1.5 Navigating the Early Phases of Pediatric Type 1 Diabetes Room: W315</td>
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**SATURDAY, JUNE 22, 2024**

**DAY-AT-A-GLANCE SCHEDULE**

American Diabetes Association® 84th Scientific Sessions

**Registration Hours:** 7:00 a.m.–6:30 p.m.

**Shop ADA Hours:** 9:00 a.m.–6:30 p.m.

**Exhibit Hall Hours:** 10:00 a.m.–4:00 p.m.

**Poster Hall Hours:** 10:00 a.m.–6:00 p.m.

**Panel Chair:** American Diabetes Association®

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<th>Time</th>
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<th>Clinical Diabetes/Therapeutics</th>
<th>Epidemiology/Genetics</th>
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<tr>
<td>9:45 a.m.</td>
<td>ADA Chief Executive Officer Remarks; President, Health Care &amp; Education Address; and Outstanding Educator in Diabetes Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</td>
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<tr>
<td>11:15 a.m.</td>
<td>ADA Chief Executive Officer Remarks; President, Health Care &amp; Education Address; and Outstanding Educator in Diabetes Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</td>
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###Acute and Chronic Complications

**Behavioral Medicine, Clinical Nutrition, Education, and Exercise**

**Clinical Diabetes/Therapeutics**

**Epidemiology/Genetics**

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<td>11:30 a.m.– 12:30 p.m.</td>
<td>PROFESSIONAL INTEREST GROUP AC-IG02-1</td>
<td>Discussion on Foot Care—Lower Extremity Complications</td>
<td>EPOSTER THEATER ePoster01</td>
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<td></td>
<td>(* ) Diabetic Kidney Disease—From Genetic Pathways to Social Determinants</td>
<td>Room: Exhibit Hall (West A1-A3) ePoster Theater A</td>
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<tr>
<td>12:30 p.m.– 1:30 p.m.</td>
<td>Session Break</td>
<td>(Take this opportunity to visit the Exhibit and Poster Halls)</td>
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###Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

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<tr>
<td>12:30 p.m.– 1:30 p.m.</td>
<td>PROFESSIONAL INTEREST GROUP CT-IG02-1</td>
<td>Discussion on Diabetes in Youth—Perspectives on Universal Antibody Screening</td>
<td>EPOSTER THEATER ePoster02 (*) Diabetes and CVD—Heartbreak in Motion Room: Exhibit Hall (West A1-A3) ePoster Theater A</td>
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<td>PROFESSIONAL INTEREST GROUP CT-IG05-1</td>
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<td>PROFESSIONAL INTEREST GROUP BM-IG03-1</td>
<td>Discussion on Exercise Physiology—Synchronization and Exercise</td>
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<td>PROFESSIONAL INTEREST GROUP BM-IG05-1</td>
<td>Discussion on Nutritional Sciences and Metabolism—The Science of Ultra-processed Foods and Impacts on Metabolic Diseases</td>
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<td>PROFESSIONAL INTEREST GROUP BM-IG05-1</td>
<td>Discussion on Women's Interprofessional Network of the ADA (WIN ADA)—How to Say &quot;No&quot; So You Can Say &quot;Yes&quot;—Optimizing Time Management</td>
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###Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

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<td>1:30 p.m.– 2:30 p.m.</td>
<td>PROFESSIONAL DEVELOPMENT PD-01-1</td>
<td>Creating Talks That Are Talked About—How to Bring Memorability to Your Presentation(s) INCLUDES LIVESTREAM</td>
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<td>PROFESSIONAL INTEREST GROUP IB-IG01-1</td>
<td>Discussion on Islet Biology, Development, and Function—Right on Target—Strategies to Selectively Regenerate and Protect Beta Cells</td>
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###11:30 a.m.– 12:30 p.m. Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

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<td>1:30 p.m.– 2:30 p.m.</td>
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<td>Insights into the Treatment, Mechanistic Underpinnings, and Determinants of Outcomes in Pregnancies Complicated by Diabetes</td>
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<td>EPOSTER THEATER ePoster04 (*)</td>
<td>Pediatric Research Update—Type 1 Diabetes, Type 2 Diabetes, Obesity</td>
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<td>PROFESSIONAL INTEREST GROUP IE-IG01-1</td>
<td>Discussion on Insulin Secretion</td>
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(*) Continuing Education Credit Is Not Awarded for this Session.
### SATURDAY, JUNE 22, 2024  DAY-AT-A-GLANCE SCHEDULE
American Diabetes Association® 84th Scientific Sessions

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<td>Room: W208</td>
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<td>ORAL PRESENTATIONS</td>
<td>AC-OR03-1.5 Clinical Biomarkers of ASCVD Risk Progression in Diabetes Mellitus and Metabolic Disease</td>
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<td>EPOSTER THEATER</td>
<td>ePoster06 (*) From Macrovascular to Microvascular</td>
<td>Room: Exhibit Hall (West A1-A3) ePoster Theater B</td>
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<td>ORAL PRESENTATIONS</td>
<td>EG-OR02-1.5 The Safety Net Unraveled—Social and Geographical Factors in Diabetes Disparities</td>
<td>Room: W204</td>
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<td>ORAL PRESENTATIONS</td>
<td>EG-OR04-1.5 Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents’ Select Abstract Presentation)</td>
<td>Room: W207</td>
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<tr>
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<td>ORAL PRESENTATIONS</td>
<td>EG-OR04-1.5 Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents’ Select Abstract Presentation)</td>
<td>Room: W207</td>
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<td>ORAL PRESENTATIONS</td>
<td>EG-OR04-1.5 Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents’ Select Abstract Presentation)</td>
<td>Room: W207</td>
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<td>ORAL PRESENTATIONS</td>
<td>IA-OR02-1.5 Novel Regulators of Insulin Action and Insulin Sensitivity (INCLUDES LIVESTREAM)</td>
<td>Room: W414</td>
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<td>SYMPOSIUM</td>
<td>IB-SY03-1.5 Channeling Mechanisms Underlying Islet Function and Dysfunction (INCLUDES LIVESTREAM)</td>
<td>Room: W415B (Valencia Ballroom)</td>
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**Registration Hours:** 7:00 a.m.-6:30 p.m.  
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| 3:15 p.m.–4:15 p.m. | **PANEL** AC-PN03-1
|         | **SYMPOSIUM** BM-SY08-1
|         | **SYMPOSIUM** AC-SY16-1
|         | **SYMPOSIUM** AC-SY18-1
|         | **SYMPOSIUM** AC-SY28-1
| 4:30 p.m.–6:00 p.m. | **SYMPOSIUM** BM-SY01-1.5
|         | **MAIN EVENT** CT-ME40-1.5
Innovation Challenge (INCLUDES LIVESTREAM)
Note: Continuing Education Credit Is Not Awarded for this Session | W310  |blick Room—Semi-live Surgery for Healing Diabetic Foot Ulcers for the Referring Practitioner. Room: W206. |
|         | **ORAL PRESENTATIONS** CT-OR09-1.5
|         | **SYMPOSIUM** CT-SY18-1.5
|         | **SYMPOSIUM** CT-SY19-1.5
|         | **SYMPOSIUM** CT-SY20-1.5
Diabetes Prevention Program (DPP) vs. GLP–1raA—which Tool Is Best to Battle the Obesity and Diabetes Epidemics? | W304  |blick Room—Semi-live Surgery for Healing Diabetic Foot Ulcers for the Referring Practitioner. Room: W206. |
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| 8:00 a.m.—9:30 a.m. | **Acute and Chronic Complications** | Behavioral Medicine, Clinical Nutrition, Education, and Exercise | Panel AC-PN10-1.5: A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic (INCLUDES LIVESTREAM)  
Room: W207 | SYMPOSIUM BM-SY03-1.5: Loneliness Is a Real Heartbreaker (INCLUDES LIVESTREAM)  
Room: W414 | Panel CT-PN10-1.5: Noninsulin Treatment for Type 1 Diabetes  
Room: W311 | SYMPOSIUM CT-SY01-1.5: Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models  
Room: W307 | SYMPOSIUM CT-SY26-1.5: The State of Health Equity and Disability—Supporting Diabetes Technology Usage in People Who Are Deaf/Hard of Hearing or Blind/Low Vision  
Room: W314 | SYMPOSIUM CT-SY44-1.5: Diabetes and Organ Transplantation—Pathophysiology, Inpatient and Outpatient Management  
Room: W206 | SYMPOSIUM CT-SY46-1.5: The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities  
Room: W206 | SYMPOSIUM CT-PN10-1.5: When a Box Isn’t a Box—Research Frameworks for Understanding and Addressing Disparities in Type 2 Diabetes  
Room: W207 | SYMPOSIUM BM-SY03-1.5: Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models  
Room: W307 | SYMPOSIUM CT-SY01-1.5: Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models  
Room: W307 | SYMPOSIUM CT-SY26-1.5: The State of Health Equity and Disability—Supporting Diabetes Technology Usage in People Who Are Deaf/Hard of Hearing or Blind/Low Vision  
Room: W314 | SYMPOSIUM CT-SY44-1.5: Diabetes and Organ Transplantation—Pathophysiology, Inpatient and Outpatient Management  
Room: W206 | SYMPOSIUM CT-SY46-1.5: The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities  
Room: W206 |
|                 | **Clinical Diabetes/Therapeutics**                                               | Clinical Diabetes/Therapeutics | SYMPOSIUM BM-SY04-1.5: Translating Type 1 Diabetes Risk Alleles to Therapy  
Room: W304 A-D | SYMPOSIUM CT-SY01-1.5: Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models  
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Room: W206 |
|                 | **Epidemiology/Genetics**                                                          | Epidemiology/Genetics | SYMPOSIUM BM-SY04-1.5: Translating Type 1 Diabetes Risk Alleles to Therapy  
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Room: W206 | SYMPOSIUM CT-SY46-1.5: The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities  
Room: W206 |
| 9:45 a.m.—11:15 a.m. | President, Medicine & Science Address and National Scientific & Health Care Achievement Awards Presentation  
West Hall B3-4 (General Session) | Professional Development | SYMPOSIUM IP-SY11-1.5: Severe GLP-1RA Side Effects in Obesity Treatment—Fact or Fiction? (INCLUDES LIVESTREAM)  
Room: W415B (Valencia Ballroom) | SYMPOSIUM IP-SY12-1.5: ADA Diabetes Journal Symposium—it Is All In Your Head—Central Nervous System Control of Systemic Metabolism  
Room: W308 | SYMPOSIUM IBC-SY04-1.5: Translating Type 1 Diabetes Risk Alleles to Therapy  
Room: W304 A-D | SYMPOSIUM IA-SY04-1.5: Metabololite Transport and Molecular Metabolism  
Room: W304 E-H | SYMPOSIUM IP-SY11-1.5: Severe GLP-1RA Side Effects in Obesity Treatment—Fact or Fiction? (INCLUDES LIVESTREAM)  
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<th>Time</th>
<th>Acute and Chronic Complications</th>
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<th>Epidemiology/ Genetics</th>
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<tr>
<td>11:30 a.m.–</td>
<td>PROFESSIONAL INTEREST GROUP AC-IG01-1</td>
<td>PROFESSIONAL INTEREST GROUP BM-IG01-1</td>
<td>PROFESSIONAL INTEREST GROUP CT-IG02-1</td>
<td>PROFESSIONAL INTEREST GROUP IM-IG01-1</td>
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<td>12:30 p.m.</td>
<td>Discussion on Diabetes and Cardiovascular Disease—Obesity and Diabetes—Innovative Research to Inform Clinical Practice</td>
<td>Discussion on Behavioral Medicine and Psychology—including the Excluded in Behavioral Diabetes Research</td>
<td>Discussion on Diabetes in Primary Care—Tackling Diabetes in Primary Care—Training and Workforce Development</td>
<td>Discussion on Diabetes Self-Management Education and Support (DSMES)—it’s Time to Change the Way We Talk about DSMES!</td>
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<tr>
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<td>PROFESSIONAL INTEREST GROUP AC-IG03-1</td>
<td>PROFESSIONAL INTEREST GROUP BM-IG03-1</td>
<td>PROFESSIONAL INTEREST GROUP CT-IG03-1</td>
<td>PROFESSIONAL INTEREST GROUP IM-IG03-1</td>
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<td>Discussion on Eye Health—Novel Diabetes Therapies in Diabetic Retinopathy—A Basic Science and Preclinical Perspective</td>
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<td>12:30 p.m.–</td>
<td>PROFESSIONAL INTEREST GROUP BM-IG05-1</td>
<td>PROFESSIONAL INTEREST GROUP CT-IG06-1</td>
<td>PROFESSIONAL INTEREST GROUP IM-IG05-1</td>
<td>PROFESSIONAL INTEREST GROUP IM-IG06-1</td>
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Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

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<tr>
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<th>ePoster10</th>
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<tbody>
<tr>
<td></td>
<td>(*) New Progress in Clinical Screening and Interventions for ASCVD Risk Mitigation in Metabolic Disease</td>
<td>(*) Exploring Eating Behaviors and Weight Loss in Youth and Adults with Type 1 and Type 2 Diabetes</td>
<td>(*) Improving Efficacy and Safety of Incretin-Based Therapies</td>
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<tr>
<td></td>
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<td>Room: Exhibit Hall (West A1-A3) ePoster Theater A</td>
<td>Room: Exhibit Hall (West A1-A3) ePoster Theater A</td>
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</tbody>
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(*Continuing Education Credit Is Not Awarded for this Session.)
# Continuing Education Credit

Continuing Education Credit is not awarded for this session.

## ORAL PRESENTATIONS

### AC-OR01-1
**Lower Extremity Complications with Systemic Effects**
Room: W207

### AC-OR02-1
**Physiologic Responses to Hypoglycemia—New Insights**
Room: W207

### AC-OR03-1
**Diabetic Kidney Disease (Includes Livestream)**
Room: W207

### AC-OR04-1
**Insights into Diabetic Retinopathy—From Molecular Characterization to Therapeutic Considerations**
Room: W208

### EPOSTER THEATER

#### (*) Type 2 Diabetes—Prevention, Treatment, and Technology
Room: Exhibit Hall (West A1-A3) ePoster Theater B

#### Global Burden of Cardiovascular Disease in People with Diabetes (Includes Livestream)
Room: W210 (Draper Theater)

#### New Technology—AID Focus
Room: W315

### SYMPOSIUM

#### CT-OR01-1
**Global Burden of Cardiovascular Disease in People with Diabetes (Includes Livestream)**
Room: W210 (Draper Theater)

### ORAL PRESENTATIONS

#### CT-OR02-1
**Clinical Contributions in Type 1 Diabetes and Exercise**
Room: W314

#### CT-OR03-1
**New Insights and Treatments in Management of Youth with Type 1 Diabetes Mellitus**
Room: W315

#### CT-OR04-1
**Weighing Opportunities of Incretin-Based Therapy in Obesity (With ADA Presidents’ Select Abstract Presentation)**
Room: W410C (Valencia Ballroom)

#### CT-OR05-1.5
**Novel Approaches to Treatment and Characterization of Diabetes in Pregnancy (With Norbert Freinkel Award Lecture) (With ADA Presidents’ Select Abstract Presentation)**
Room: W410G (Valencia Ballroom)

### EPOSTER THEATER

#### (*) Type 2 Diabetes—Prevention, Treatment, and Technology
Room: Exhibit Hall (West A1-A3) ePoster Theater B

### ORAL PRESENTATIONS

#### E-OR01-1
**Common and Rare Genetic Variant Associations and Molecular QTL Scans in Type 2 Diabetes Tissues**
Room: W207

#### E-OR02-1.5
**Growing Older with Diabetes**
Room: Exhibit Hall (West A1-A3) ePoster Theater B

### SYMPOSIUM

#### CT-OR02-1.5
**Innovations in Practice**
Room: W415B (Valencia Ballroom)

### ORAL PRESENTATIONS

#### CT-OR03-1.5
**Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy**
Room: W328 A-D

#### CT-OR04-1.5
**New Insights in Treatment of Diabetes Mellitus (With Norbert Freinkel Award Lecture)**
Room: W328

#### CT-OR05-1.5
**Endgame—Oral Abstracts on Beta-Cell Apoptosis (With ADA Presidents’ Select Abstract Presentation)**
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<td>PANEL AC-PN08-1.5 Diabetic Foot Disparities—Treatment With and Without a Multidisciplinary Team</td>
<td>Room: W206</td>
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<tr>
<td></td>
<td>SYMPOSIUM BM-SY103-1.5 Survey Says—Psychosocial Screening Tools and Their Psychometric Properties for Youth and Adults with Diabetes</td>
<td>Room: W206</td>
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<td>SYMPOSIUM BM-SY113-1.5 Mind the Gap—Health Benefits of Exercise in Women With or at Risk for Diabetes (INCLUDES LIVESTREAM)</td>
<td>Room: W207</td>
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<td></td>
<td>SYMPOSIUM CT-CT02-1.5 Controversies in Continuous Glucose Monitoring (CGM) Use during Pregnancy—Time in Range and Beyond Time in Range (INCLUDES LIVESTREAM)</td>
<td>Room: W315 (Valencia Ballroom)</td>
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<tr>
<td></td>
<td>SYMPOSIUM CT-CT03-1.5 Multiple Faces of Therapeutic Inertia in Diabetes</td>
<td>Room: W311</td>
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<td></td>
<td>SYMPOSIUM CT-CT04-1.5 Joint ADA/PAHO Symposium—Latin America and the Caribbean Regional Approach to Prevent and Control Diabetes</td>
<td>Room: W304 E-H</td>
</tr>
<tr>
<td></td>
<td>SYMPOSIUM CT-CT05-1.5 THE STEP-HFpEF and STEP-HFpEF-DM Trials—Targeting Obesity to Treat Heart Failure (INCLUDES LIVESTREAM)</td>
<td>Room: W210 (Drapin Theater)</td>
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## MONDAY, JUNE 24, 2024
### DAY-AT-A-GLANCE SCHEDULE

**American Diabetes Association® 84th Scientific Sessions**

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<tr>
<th>Time</th>
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<td>8:00 a.m.–</td>
<td>SYMPOSIUM AC-SY15-1.5 A Means to an Endpoint—Establishing Meaningful Outcomes in Clinical Neuropathy Trials</td>
<td>Room: W206</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM BM-SY08-15 Innovative Programs That Take on the Challenge of Hard-to-Reach Populations (INCLUDES LIVESTREAM)</td>
<td>Room: W415 (Valencia Ballroom)</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>ORAL PRESENTATIONS CT-0457-13 New Technology—Genome-Wide Association Study—What’s the Mechanism?</td>
<td>Room: W314</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM CT-0456-13 Cross Talk between Beta Cells and Immune Cells</td>
<td>Room: W304 A-D</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM EG-SY07-1.5 Omics to Understand Continuous Glucose Monitoring</td>
<td>Room: W207</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM EG-SY06-1.5 Molecular Integration of Amino Acid and Fat Metabolism in Health and Metabolic Disease</td>
<td>Room: W304 E-H</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM IA-SY05-1.5 Myrtillestrax—Improving Diabetes Care and the Cost of Ongoing Inequalities</td>
<td>Room: W315</td>
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<td>8:00 a.m.–</td>
<td>SYMPOSIUM IA-SY07-1.5 Myth Busters on “Category X” Drugs in Pregnancy—Evidence for Stopping Commonly Used Medications during Pregnancy, Presidency, Prevention, and Lactation (INCLUDES LIVESTREAM)</td>
<td>Room: W414</td>
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<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM CT-0270-15 A Means to an Endpoint—Establishing Meaningful Outcomes in Clinical Neuropathy Trials</td>
<td>Room: W206</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM CT-0269-15 Towards Innovative and Equitable Care in Youth-Onset Type 2 Diabetes</td>
<td>Room: W315</td>
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<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM CT-0269-15 ADA Symposium—Major Advances and Discoveries in Diabetes—The Year in Review (INCLUDES LIVESTREAM)</td>
<td>Room: W415 (Valencia Ballroom)</td>
</tr>
<tr>
<td>8:00 a.m.–</td>
<td>SYMPOSIUM CT-0270-15 Consensus Monitoring Guidance in Early-Stage Type 1 Diabetes (INCLUDES LIVESTREAM)</td>
<td>Room: W320 (Chapin Theater)</td>
</tr>
<tr>
<td>9:45 a.m.–</td>
<td>Outstanding Scientific Achievement Award Lecture and Bantering Medal for Scientific Achievement Award Lecture (INCLUDES LIVESTREAM)</td>
<td>West Hall B3-4 (General Session)</td>
</tr>
<tr>
<td>9:45 a.m.–</td>
<td>EPPOSTER THEATER ePoster13 (*) Tailoring Diabetes Self-Management Education to Improve Success Room: Exhibit Hall (West A1-A3)</td>
<td>ePoster Theater A</td>
</tr>
<tr>
<td>9:45 a.m.–</td>
<td>EPPOSTER THEATER ePoster13 (*) Research Advances in Metabolic Regulation Room: Exhibit Hall (West A1-A3)</td>
<td>ePoster Theater B</td>
</tr>
<tr>
<td>11:30 a.m.–</td>
<td>PROFESSIONAL INTEREST GROUP CT-0270-15 Discussion on Diabetes Technology—Enhancing Clinic Efficiency through the Integration of Diabetes Technology</td>
<td>Room: W304 A-D</td>
</tr>
<tr>
<td>11:30 a.m.–</td>
<td>PROFESSIONAL INTEREST GROUP CT-0270-15 Discussion on Health Care Delivery and Quality Improvement</td>
<td>Room: W320 (Chapin Theater)</td>
</tr>
<tr>
<td>11:30 a.m.–</td>
<td>PROFESSIONAL INTEREST GROUP EG-SY06-1.5 Discussion on Public Health and Epidemiology—Kids Are Not Little Adults—Challenges and Opportunities in the Use of Pharmacotherapy for Youth With and at Risk for Type 2 Diabetes</td>
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<td>PROFESSIONAL INTEREST GROUP IA-SY07-1.5 ADA Symposium—Major Advances and Discoveries in Diabetes—The Year in Review (INCLUDES LIVESTREAM)</td>
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Registration Hours: 7:30 a.m.-3:30 p.m.
Shop ADA Hours: 7:30 a.m.-4:30 p.m.
Exhibit Hall Hours: 10:00 a.m.-2:00 p.m.
Poster Hall Hours: 7:30 a.m.-2:00 p.m.
12:30 p.m.–1:30 p.m.
Session Break (Take this opportunity to visit the Exhibit and Poster Halls)

EPOSTER THEATER
ePoster15
(*) Creative Strategies for Care Improvement
Room: Exhibit Hall (West A1-A3) ePoster Theater A

1:30 p.m.–3:00 p.m.
SYMPOSIUM
AC-SY06-1.5
Demystifying Impaired Awareness of Hypoglycemia—Diagnosis, Experience, and Treatment in the Real World
Room: W307

SYMPOSIUM
BM-SY08-1.5
How Diabetes Technology Is Changing Diabetes Care In the Real World
Room: W301

SYMPOSIUM
BM-SY17-1.5
Nutrition and Diabetes Self-Management Education and Support (DSMES)
Room: W405C (Valencia Ballroom)

SYMPOSIUM
CT-SY07-1.5
Impact of Precision Medicine on Diabetes
Room: W314

SYMPOSIUM
CT-SY20-1.5
Just Do It—Incorporating What We Know into What We Do
Room: W315

SYMPOSIUM
CT-SY21-1.5
ADA Diabetes Care/Diabetes/Diabetologia Symposium—The Heterogeneity of Type 1 Diabetes—Pathogenesis, Treatment, and Prevention (INCLUDES LIVESTREAM)
Room: W320 (Daglin Theater)

SYMPOSIUM
CT-W34-1.5
Lancet Journal Symposium—Time for a Paradigm Shift? Should We Treat Early Gestational Diabetes Mellitus?
Room: W304 E-H

SYMPOSIUM
CT-W35-1.5
The First Dedicated Kidney Outcome Trial with a GLP-1 Receptor Agonist—Once-Weekly Semaglutide and the FLOW Trial Results (INCLUDES LIVESTREAM)
Room: W405B (Valencia Ballroom)

SYMPOSIUM
IP-SY05-1.5
Mitochondria as a Therapeutic Target for Diabetes
Room: W304

SYMPOSIUM
IP-SY10-1.5
Food Noise Explained—Satiety Responsiveness and Motivation Processing in the Brain (INCLUDES LIVESTREAM)
Room: W307

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

EPOSTER THEATER
ePoster16
(*) Hepatocytes, Adipocytes, Beta cells, Oh My!
Room: Exhibit Hall (West A1-A3) ePoster Theater B

SYMPOSIUM
IBC-PN03-1.5
Modulating Cytokines—Mechanisms Underlying Type 1 Diabetes Treatment (INCLUDES LIVESTREAM)
Room: W304 A-D

ORAL PRESENTATIONS
IA-OR04-1.5
Revving Up the Adipose to Impact Insulin Sensitivity and Glucose Homeostasis
Room: W304

SYMPOSIUM
IP-SY05-1.5
Mitochondria as a Therapeutic Target for Diabetes
Room: W304

SYMPOSIUM
IP-SY10-1.5
Food Noise Explained—Satiety Responsiveness and Motivation Processing in the Brain (INCLUDES LIVESTREAM)
Room: W307

PANEL
IB-PN04-1.5
Are We Using the Right Tools to Establish Causality in Islet Function and Dysfunction?
Room: W206

(*) Continuing Education Credit Is Not Awarded for this Session.
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**Monday, June 24, 2024**

**Day-at-a-Glance Schedule**

**American Diabetes Association® 84th Scientific Sessions**
Program Information

84th Scientific Sessions
June 21-24, 2024
Orange County Convention Center
Orlando, Florida

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

The mission of the American Diabetes Association is to prevent and cure diabetes and to improve the lives of all people affected by diabetes.

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FRIDAY, JUNE 21, 2024

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

Special Lectures and Addresses
Session Number: WP-01-1
Welcome to the 84th ADA Scientific Sessions—Keynote Address by Robert M. Califf, MD and Panel Discussion (Includes Livestream)
Room: West Hall B3-4 (General Session)
Chair: Robert A. Gabbay, MD, PhD
10:30 a.m.-10:35 a.m. Introduction
Charles Henderson
10:36 a.m.-10:40 a.m. Welcome to the 84th ADA Scientific Sessions!
Robert A. Gabbay, MD, PhD
10:40 a.m.-11:10 a.m. Keynote Address—TBD
Robert M. Califf, MD
11:10 a.m.-11:30 a.m. Panel Discussion
Alice Y.Y Cheng, MD, FRCPC
Robert M. Califf, MD
Christopher S. Holliday, PhD, MPH, MA, FACHE
Griffin Rodgers, MD, MACP

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

Pathway Symposium
Session Number: PTH-01-1
“Pathway to Stop Diabetes” (Includes Livestream)
Room: West Hall B3-4 (General Session)
Chair: Robert A. Gabbay, MD, PhD
11:40 a.m.-11:48 a.m. Introduction
Robert A. Gabbay, MD, PhD
11:48 a.m.-11:56 a.m. “Pathway to Stop Diabetes”—TBD
Kathleen A. Page, MD
11:56 a.m.-12:02 p.m. “Pathway to Stop Diabetes”—TBD
Paul Cohen, MD, PhD
12:02 p.m.-12:11 p.m. “Pathway to Stop Diabetes”—TBD
Debora Sobreira, PhD
12:11 p.m.-12:15 p.m. Closing Remarks
Marlon Pragnell, PhD
12:45 p.m.-1:45 p.m.

Debate
Theme Area: Epidemiology/Genetics
Session Number: EG-DB01-1
Race and Ethnicity-Based Cut Points in Diabetes Screening and Diagnosis—Benefit or Harm for Reducing Disparities? (Includes Livestream)
Room: W320 (Chapin Theater)
Chair: Alan Kinlaw, PhD
12:45 p.m.-1:00 p.m. Using Race and Ethnicity-Based Cut Points Has the Potential to REDUCE Health Disparities in the Diagnosis of Diabetes
Quyen Ngo-Metzger, MD, MPH
1:00 p.m.-1:15 p.m. Using Race and Ethnicity-Based Cut Points Has the Potential to INCREASE Health Disparities in the Diagnosis of Diabetes
Jessica Cerdeña, MD, PhD
1:15 p.m.-1:25 p.m. Rebuttal
Quyen Ngo-Metzger, MD, MPH
1:25 p.m.-1:35 p.m. Rebuttal
Jessica Cerdeña, MD, PhD
1:35 p.m.-1:45 p.m. Question and Discussion Period

Debate
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-DB01-1
Setting the Record Straight—Does SARS-CoV-2 Cause Type 1 Diabetes? (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Mark A. Atkinson, PhD
12:45 p.m.-1:00 p.m. SARS-CoV-2 Infects Human Beta Cells and Compromises Beta-Cell Function
Peter K. Jackson, PhD
1:00 p.m.-1:15 p.m. Infection Does Not Equal Causation—Unraveling the Complicated Relationship Between SARS-CoV-2 and Diabetes
Carmella Evans-Molina, MD, PhD
1:15 p.m.-1:20 p.m. Rebuttal
Peter K. Jackson, PhD
1:20 p.m.-1:25 p.m. Rebuttal
Carmella Evans-Molina, MD, PhD
1:25 p.m.-1:45 p.m. Question and Discussion Period
12:45 p.m.-1:45 p.m.
(continued)

Oral Presentations

Theme Area: Acute and Chronic Complications
Session Number: AC-OR06-1

Multiorgan Cross Talk in Lipid Metabolism
Room: W206
Chair: Rebecca Haeusler, PhD
**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

*Session Number: AC-OR11-1*

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

Room: W207

Chair: Kalie L. Tommerdahl, MD
12:45 p.m.-1:45 p.m.  
(continued)

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR13-1
Innovative Approaches in Diagnosing and Managing Diabetic Neuropathy (With ADA Presidents' Select Abstract Presentation) *(Includes Livestream)*
Room: W307
Chair: Kara R. Mizokami-Stout, MD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR15-1
Innovations in Diabetic Eye Care—Advancements, Therapeutic Strategies, and Disease Associations
Room: W208
Chair: Renu A. Kowluru, MS, PhD
12:45 p.m.-1:45 p.m.  
(continued)

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR04-1
Exploring the Impact of Food/Food Additives on Insulin Sensitivity and Postprandial Glucose  
(With ADA Presidents' Select Abstract Presentation)
Room: W315
Chair: Lorena Drago, MS, RDN, CDN, CDCES
12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**  
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*  
Session Number: BM-OR06-1  
**Tools for Health Care Professionals That Assist in Personalizing Care**  
Room: W314  
Chair: Curtis L. Triplett, PharmD, CDCES
12:45 p.m.-1:45 p.m. (continued)

**Oral Presentations**

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

Session Number: BM-OR08-1

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

Room: W304 E-H

Chair: John R. Ussher, PhD
12:45 p.m.-1:45 p.m. 
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR03-1
Practicable Methods to Improve Metabolic Parameters
Room: W311
Chair: Michael J. Haller, MD
12:45 p.m.-1:45 p.m.  
(continued)

**Oral Presentations**  
*Theme Area: Clinical Diabetes/Therapeutics*  
Session Number: CT-OR11-1  
**Diabetes Potpourri**  
Room: W415C (Valencia Ballroom)  
Chair: Tamara Spaic, MD
Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR16-1
New Technology—The Inpatient Setting *(Includes Livestream)*
Room: W414
Chair: Jayachidambaram Ambalavanan, MD
12:45 p.m.-1:45 p.m.  
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-OR05-1
Secreted Factors and Insulin Action
Room: W304 A-D
Chair: Phillip J. White, PhD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR06-1
New Frontier in Immunometabolism
Room: W308
Chair: Pingwen Xu, PhD
Ask the Expert  
**Theme Area: Clinical Diabetes/Therapeutics**
Session Number: CT-AE14-1.5  
**How Will Artificial Intelligence Change Diabetes Clinical Practice? (Includes Livestream)**
Room: W320 (Chapin Theater)  
Chair: Edward C. Chao, DO  
2:00 p.m.-3:30 p.m.  

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

### 2:20 p.m.-2:40 p.m.  
*Artificial Intelligence and the Future of Diabetes Devices*  
Peter G. Jacobs, PhD  

### 2:40 p.m.-3:00 p.m.  
*Artificial Intelligence and the Future of the Multidisciplinary Team*  
Mudassir M. Rashid, PhD  

### 3:00 p.m.-3:30 p.m.  
*Question and Discussion Period*
2:00 p.m.-3:30 p.m.
(continued)

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR10-1.5
Emerging Molecular Mechanisms of ASCVD Progression in Cardiometabolic Disease (With Edwin Bierman Award Lecture) *(Includes Livestream)*
Room: W307
Chair: Helmy Siragy, MD

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

*Diabetes and Cardiovascular Disease—The Evolution of CV Outcomes Assessment of Antihyperglycemic Medications*
Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR03-1.5
Exploring Dimensions of Diversity in Diabetes Distress (With Richard R. Rubin Award Lecture)  
(Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Elizabeth Beverly, PhD

2:00 p.m.-2:30 p.m.
Richard R. Rubin Award Lecture

*Richard R. Rubin Award Lecture— Life Lessons and Diabetes Research*
Paula M. Trief, PhD
Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR01-1.5
Screening for and Delaying Vascular Complications
Room: W315
Chair: Mohammed K. Ali, MD, MSc, MBA
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR04-1.5
Novel Insights from CGM Use during Pregnancy
Room: W208
Chair: Amy M. Valent, DO, MCR
2:00 p.m.-3:30 p.m.
(continued)

**Oral Presentations**

*Theme Area: Clinical Diabetes/Terapeutics*

Session Number: CT-OR07-1.5

**New Approaches to Prevent or Reverse Diabetes**

Room: W415C (Valencia Ballroom)

Chair: Catherine Kim, MD, MPH
FRIDAY, JUNE 21, 2024

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

**Oral Presentations**
*Theme Area: Clinical Diabetes/Therapeutics*
Session Number: CT-OR13-1.5

**New Technology—What's New? (With ADA Presidents' Select Abstract Presentation)**
Room: W311
Chair: Chlodys Johnstone, PA-C
2:00 p.m.-3:30 p.m.
(continued)

Oral Presentations
Theme Area: Epidemiology/Genetics
Session Number: EG-OR01-1.5
Diabetes and the Liver—A Canary in the Coal Mine
Room: W207
Chair: Justin Echouffo Tcheugui, MD, PhD
FRIDAY, JUNE 21, 2024

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

**Oral Presentations**
*Theme Area: Insulin Action/Molecular Metabolism*
Session Number: IA-OR01-1.5

**Adipocyte Differentiation and Function**
Room: W308
Chair: Katrin Svensson, PhD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-OR01-1.5

Immune Features of Immune Therapy and Evolution—Fickle or Fixed?
Room: W304 A-D
Chair: Cate Speake, PhD
2:00 p.m.-3:30 p.m.
(continued)

**Oral Presentations**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: IB-OR01-1.5

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

Room: W206
Chair: Yumi Imai, MD
FRIDAY, JUNE 21, 2024

2:00 p.m.–3:30 p.m.
(continued)

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR01-1.5
Actions of Incretins in the Brain and Beyond *(Includes Livestream)*
Room: W414
Chair: Daisy Duan, MD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR05-1.5
Emerging New Players in Metabolic Regulation
Room: W314
Chair: Meilian Liu, PhD
FRIDAY, JUNE 21, 2024

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

**Symposium**

*Theme Area: Acute and Chronic Complications*

**Session Number: AC-SY01-1.5**

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

Room: W208

Chair: Thomas W. Gardner, MD, MS

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

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

David Preiss, MBChB, MRCP, FRCP, PhD

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

Andrew J. Barkmeier, MD

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

Alicia Jenkins, MBBS, MD, FRACP, FRCP

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

Satish K. Garg, MD

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

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**Symposium**

*Theme Area: Acute and Chronic Complications*

**Session Number: AC-SY07-1.5**

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

Room: W308

Chair: Wendy L. Bennett, MD, MPH

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

Martha Gulati, MD

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

Ernst J. Schaefer, MD

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

Karen Reue, PhD

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

John M. Stafford, MD, PhD

5:05 p.m.-5:15 p.m. **Question and Discussion Period**
3:45 p.m.-5:15 p.m.
(continued)

**Symposium**
*Theme Area: Acute and Chronic Complications*
*Session Number: AC-SY17-1.5*

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

Room: W307
Co-Chairs: Christopher S. Holliday, PhD, MPH, MA, FACHE and Steven E. Kahn, MB, ChB
3:45 p.m.-4:05 p.m.  *Trends and Inequalities in Diabetes-Related Complications among U.S. Adults with Diabetes, 2000–2020*  
Ryan Saelee, MPH, PhD
4:05 p.m.-4:25 p.m.  *Ameliorating Care Fragmentation to Prevent Diabetes-Related Microvascular Complications*  
Francisco J. Pasquel, MD, MPH
4:25 p.m.-4:45 p.m.  *Advancing Cardiometabolic Health and Reducing Cardiovascular Risk in Diabetes through Academic–Community–Government–Industry Partnerships*  
Joshua J. Joseph, MD, MPH, FAHA
4:45 p.m.-4:55 p.m.  *Discussant*  
Shivani A. Patel, PhD
4:55 p.m.-5:15 p.m.  *Question and Discussion Period*

**Symposium**
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*
*Session Number: BM-SY05-1.5*

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

Room: W314
Chair: Holly J. Willis, PhD, RDN, CDCES
3:45 p.m.-4:05 p.m.  *The WHO Said WHAT? Use of Nonnutritive Sweeteners for Weight Management, Prediabetes, and Diabetes*  
Katherine Appleton, PhD, RD
4:05 p.m.-4:25 p.m.  *Does the Gut Rule? Influence of the Microbiome on Diabetes and Obesity*  
Abby Johnson, PhD, RD
4:25 p.m.-4:45 p.m.  *Counting Calories or Counting the Hours—Time-Restricted Eating*  
Krista Varaday, PhD
4:45 p.m.-5:05 p.m.  *Protein Quantity, Quality, and Timing for Weight Management and Glycemia*  
Alpana Shukla, MD
5:05 p.m.-5:15 p.m.  *Question and Discussion Period*
Case Studies
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-CS12-1.5
New Tools, Old Approaches—Rethinking Glucose Monitoring in Real-Life Settings
Room: W311
Chair: Natalie J. Bellini, DNP, FNP-BC, BC-ADM
3:45 p.m.-4:05 p.m. The Time Was Yesterday—Continuous Glucose Monitoring (CGM) in the Inpatient Setting
   Eileen R. Faulds, PhD, RN, FNP-BC, CDCES
4:05 p.m.-4:25 p.m. Classroom or Clinic? Continuous Glucose Monitoring (CGM) in the School Setting
   Christine March, MD, MS
4:25 p.m.-4:45 p.m. Let Campers (and Counselors) Sleep! Remote Glucose Monitoring at Camp
   Jamie R. Wood, MD
4:45 p.m.-5:05 p.m. Continuous Glucose Monitoring (CGM) in Long-Term Care Facilities
   Medha Munshi, MD
5:05 p.m.-5:15 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY08-1.5
Important Safety Information—Off-Target Effects of New Therapies for Diabetes (Includes Livestream)
Room: W414
Chair: Steve Nissen, MD
3:45 p.m.-4:05 p.m. GLP-1 Receptor Agonists
   Tina Vilsbøll, MD, DMSc
4:05 p.m.-4:25 p.m. SGLT2 Inhibitors
   Ronald M. Goldenberg, MD, FRCPC, FACE
4:25 p.m.-4:45 p.m. New Insulin Formulations
   Anne L. Peters, MD
4:45 p.m.-5:05 p.m. Fixed-Ratio Insulin Combinations
   Liana K. Billings, MD, MMSc
5:05 p.m.-5:15 p.m. Question and Discussion Period
Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY33-1.5
Standards of Care 2024 Updates and Cost of Diabetes in United States
Room: W315
Chair: Nuha El Sayed, MD, MMSc
3:45 p.m.-4:30 p.m. *Team-Based Care*
   Nuha El Sayed, MD, MMSc
   Jason L. Gaglia, MD, MMSc
   Grazia Aleppo, MD, FACE, FACP
   Dennis Bruemmer, MD, PhD
   Ildiko Lingvay, MD, MPH, MSCS
   Nicola Napoli, MD, PhD
4:30 p.m.-4:45 p.m. *Economic Costs of Diabetes in the United States*
   Nuha El Sayed, MD, MMSc
   Raveendhara Bannuru, MD, PhD, FAGE
4:45 p.m.-5:15 p.m. *Question and Discussion Period*

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY49-1.5
SURMOUNT-OSA Trial Results and Potential Role of Tirzepatide in Treating Obesity-Related Obstructive Sleep Apnea (Includes Livestream)
Room: W320 (Chapin Theater)
Co-Chairs: Ania M. Jastreboff, MD, PhD and Atul Malhotra, MD
3:45 p.m.-4:00 p.m. *Cardiometabolic Consequences of OSA—Towards Personalized Treatment*
   Esra Tasali, MD
4:00 p.m.-4:15 p.m. *Current Therapeutic Landscape for Treating Sleep Apnea and Potential Role of Incretins*
   Vaishnavi Kundel, MD, MS
4:15 p.m.-4:25 p.m. *Tirzepatide and SURMOUNT-OSA—Rationale, Hypotheses, and Study Design*
   Richard J. Schwab, MD
4:25 p.m.-4:45 p.m. *SURMOUNT-OSA—Efficacy and Safety*
   Atul Malhotra, MD
4:45 p.m.-4:55 p.m. *Putting SURMOUNT-OSA Results in Context, and Implications Regarding Treatment of Patients with Obesity-Related OSA*
   Louis J. Aronne, MD, FACP, DABOM
4:55 p.m.-5:15 p.m. *Question and Discussion Period*
3:45 p.m.-5:15 p.m.  
(continued)

**Symposium**  
*Theme Area: Epidemiology/Genetics*  
*Session Number: EG-SY02-1.5*  
**United States Veterans and Diabetes—Not Gone and Not Forgotten**  
Room: W207  
Chair: Dina H. Griauzde, MD, MSc  
3:45 p.m.-4:05 p.m.  *Diabetes and Complications in Veterans*  
Elizabeth M. Litkowski, PhD  
4:05 p.m.-4:25 p.m.  *Mental Health and Diabetes in Veterans*  
Naomi Kane, PhD  
4:25 p.m.-4:45 p.m.  *Million Veterans Program*  
Primary Speaker: TBD  
4:45 p.m.-5:05 p.m.  *Telehealth Interventions to Improve Outcomes in Veterans with Diabetes*  
Matthew J. Crowley, MD, MHS  
5:05 p.m.-5:15 p.m.  *Question and Discussion Period*

**Symposium**  
*Theme Area: Immunology/Beta-Cell Replacement*  
*Session Number: IBC-SY05-1.5*  
**Joint ADA/IPITA Symposium—Clinical Beta-Cell Replacement Therapy Today (Includes Livestream)**  
Room: W415B (Valencia Ballroom)  
Co-Chairs: Michael R. Rickels, MD, MS and Melena Bellin, MD  
3:45 p.m.-4:05 p.m.  *Evaluation of the Patient with Diabetes for Beta-Cell Replacement*  
Anna Lam, MD, MSc  
4:05 p.m.-4:25 p.m.  *The Psychological Impact of Islet or Pancreas Transplantation*  
Jane Speight, MSc, PhD, CPsychol, FBPsS  
4:25 p.m.-4:45 p.m.  *Monitoring and Treatment of Recipients for Rejection or Type 1 Diabetes Recurrence*  
Michiel Nijhoff, MD, MSc  
4:45 p.m.-5:05 p.m.  *Update on Clinical Trials Using Stem-Cell Replacement*  
Piotr Witkowski, MD, PhD  
5:05 p.m.-5:15 p.m.  *Question and Discussion Period*
Symposium  
Theme Area: Insulin Action/Molecular Metabolism  
Session Number: IA-SY03-1.5  
The Second Act—Redefining the Signaling Mediators of Glucose Uptake in Muscle  
Room: W304 A-D  
Chair: Paul M. Titchenell, PhD  
3:45 p.m.-4:05 p.m. Control of Glucose Transport by Novel Insulin-Signaling Pathways  
Lykke Sylow, PhD  
4:05 p.m.-4:25 p.m. Control of Muscle Glucose Metabolism by the Adipokine Isthmin-1  
Katrin Svensson, PhD  
4:25 p.m.-4:45 p.m. Linking Mitochondrial Energetics to Insulin Sensitivity and Glucose Metabolism  
P. Darrell Neufer, PhD  
4:45 p.m.-5:05 p.m. Regulation of GLUT4 by TUG Proteins  
Jonathan Bogan, MD  
5:05 p.m.-5:15 p.m. Question and Discussion Period

Symposium  
Theme Area: Obesity/Integrated Physiology  
Session Number: IP-SY07-1.5  
CNS Effects of GLP-1RA—Beyond Diabetes and Obesity  
Room: W304 E-H  
Chair: Janice J. Hwang, MD  
3:45 p.m.-4:15 p.m. GLP-1RA in Alcohol Use Disorder  
Lorenzo Leggio, MD, PhD  
4:15 p.m.-4:45 p.m. GLP-1RA and Thirst  
Derek Daniels, PhD  
4:45 p.m.-5:15 p.m. GLP-1 Actions on Neurodegeneration and Neuroinflammation  
Nigel H. Greig, PhD

Symposium  
Theme Area: Islet Biology/Insulin Secretion  
Session Number: IB-SY02-1.5  
Taking a Closer Look—Subcellular Approaches to Islet Biology  
Room: W206  
Chair: Rafael Arrojo e Drigo, PhD  
3:45 p.m.-4:15 p.m. Contributions of the Microtubule Cytoskeleton to Beta-Cell Biology  
Irina Kaverina, PhD  
4:15 p.m.-4:45 p.m. Cilia, Microvilli, and Membrane Localized Glycolysis in The Beta Cell  
Matthew J. Merrins, PhD  
4:45 p.m.-5:15 p.m. Metabolic Control of Beta-Cell Secretory Capacity  
Samuel B. Stephens, PhD
3:45 p.m. - 5:15 p.m.
(continued)

**Oral Presentations**
*Theme Area: Clinical Diabetes/Therapeutics*
*Session Number: CT-OR10-1.5*

**Beyond Glucose and Weight Reduction—Additional Effects of Incretin-Based Therapies**
*Room: W415C (Valencia Ballroom)*
*Chair: Michael A. Nauck, MD*
FRIDAY, JUNE 21, 2024

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

**Debate**  
*Theme Area: Acute and Chronic Complications*  
*Session Number: AC-DB05-1*  
**Sulfonylureas in Type 2 Diabetes Management—Should They Stay or Should They Go? (Includes Livestream)**  
*Room: W307*  
*Chair: Rozalina G. McCoy, MD, MS*  
5:30 p.m.-5:45 p.m.  
**Sulfonylureas Remain Useful Agents in the Management of Type 2 Diabetes**  
Elbert S. Huang, MD, MPH, FACP  
5:45 p.m.-6:00 p.m.  
**We Need to Stop Using Sulfonylureas for the Treatment of Type 2 Diabetes**  
Deborah J. Wexler, MD, MSc  
6:00 p.m.-6:05 p.m.  
**Rebuttal**  
Elbert S. Huang, MD, MPH, FACP  
6:05 p.m.-6:10 p.m.  
**Rebuttal**  
Deborah J. Wexler, MD, MSc  
6:10 p.m.-6:30 p.m.  
**Question and Discussion Period**

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY35-1*  
**Liver Health in Diabetes (Includes Livestream)**  
*Room: W320 (Chapin Theater)*  
*Co-Chairs: Kenneth Cusi, MD and Nuha El Sayed, MD, MMSc*  
5:30 p.m.-5:40 p.m.  
**Team-Based Care**  
Kenneth Cusi, MD  
Nuha El Sayed, MD, MMSc  
5:40 p.m.-5:50 p.m.  
**Epidemiology/Hepatology**  
Zobair Younossi, MD, MPH  
5:50 p.m.-6:00 p.m.  
**Endocrinology and Obesity**  
Michael Roden, MD  
6:00 p.m.-6:05 p.m.  
**Nutrition**  
Karen D. Corbin, PhD, RD  
6:05 p.m.-6:10 p.m.  
**Physical Activity and Exercise**  
Elizabeth J. Pekas, PhD  
6:10 p.m.-6:20 p.m.  
**Primary Care**  
Caroline R. Richardson, MD  
6:20 p.m.-6:30 p.m.  
**Question and Discussion Period**
5:30 p.m. – 6:30 p.m.
(continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR07-1

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

Room: W206

Chair: Laura den Hartigh, PhD
Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR14-1
Unraveling Molecular Signatures, Biomarkers, and Methods for Neuropathy, Cognitive Decline, and Foot Ulcers
Room: W208
Chair: Rayaz A. Malik, MD, PhD
Oral Presentations

Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR05-1

Medical Nutrition Therapy—Moving Beyond Traditional Outcome Measures
Room: W314
Chair: Gretchen Benson, RDN, CDCES
5:30 p.m.-6:30 p.m.
(continued)

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR07-1
Innovative Diabetes Self-Management Education across Diverse Populations
Room: W308
Chair: Rebecca Longo, MSN, ACNP-BC, CDCES
FRIDAY, JUNE 21, 2024

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

Oral Presentations  
Theme Area: Clinical Diabetes/Therapeutics  
Session Number: CT-OR12-1  
SGLT2 Inhibition Impact on Human Physiology  
Room: W415C (Valencia Ballroom)  
Chair: Hiddo L. Heerspink, PhD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR17-1
New Technology—Equity and Access
Room: W315
Chair: Priya Prahalad, MD, PhD
Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR18-1
Pediatric Obesity and Type 2 Diabetes
Room: W311
Chair: Fida Bacha, MD, FAAP
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Epidemiology/Genetics
Session Number: EG-OR03-1
The New Frontier in Risk Profiling for Diabetes—Blood, Guts, and Glory
Room: W207
Chair: Sagar B. Dugani, MD, PhD, MPH
FRIDAY, JUNE 21, 2024

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

**Oral Presentations**
*Theme Area: Epidemiology/Genetics*
Session Number: EG-OR06-1
**Type 1 Diabetes Genome, Epigenome, and CRISPR Screens* (Includes Livestream)*
Room: W414
Chair: Catherine C. Robertson, PhD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-OR06-1
Clinical Efforts to Study the Pathogenesis of Insulin Resistance
Room: W304 E-H
Chair: Daniel F. Vatner, MD, PhD
FRIDAY, JUNE 21, 2024

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

Oral Presentations
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-OR03-1
Immune and Adipose Tissue Intersection
Room: W304 A-D
Chair: Clive Wasserfall, MS, PhD
Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-OR05-1
Islet Potpourri Oral Abstracts (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Barak Blum, PhD
FRIDAY, JUNE 21, 2024

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

American Diabetes Association Networking Reception

Exhibit Hall (West A1-A3)
Scientific Sessions
8:00 a.m.-9:30 a.m.

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY09-1.5
SELECT Trial—New Looks at Glycemia, Inflammation, and Heart Failure (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Darren K. McGuire, MD, MHSc, FAHA, FACC, FESC
8:00 a.m.-8:20 a.m. SELECT—An Overview of the Study and the Weight Outcomes
   Donna H. Ryan, MD
8:20 a.m.-8:40 p.m. Semaglutide and Prediabetes Progression/Regression in People with Vascular Disease—What Have We Learned from SELECT?
   Steven E. Kahn, MB, ChB
8:40 a.m.-9:00 a.m. Role of Glycemia on Cardiovascular Outcomes—New Data from SELECT
   Ildiko Lingvay, MD, MPH, MSCS
9:00 a.m.-9:20 a.m. Heart Failure and Inflammation Outcomes in SELECT
   Jorge Plutzky, MD
9:20 a.m.-9:30 a.m. Discussant
   Shivani Misra, MD, PhD

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY12-1.5
Navigating the Spatial Landscape—Omics in Diabetic Kidney Disease
Room: W208
Chair: Jennifer A. Schaub, MD
8:00 a.m.-8:30 a.m. Mapping the Transcriptomic Universe—Spatial Transcriptomics in Deciphering Diabetic Nephropathy
   Parker C. Wilson, MD, PhD
8:30 a.m.-9:00 a.m. Metabolites in 3D—How Spatial Metabolomics Revolutionizes Our Understanding of Diabetic Kidney Disease
   Kumar Sharma, MD
9:00 a.m.-9:30 a.m. A Deeper Look at Proteins—Spatial Proteomics in Diabetic Kidney Pathogenesis
   Victor Puelles, MD, PhD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY13-1.5
Type 2 Diabetes and Exercise—Where Do We Stand?
Room: W314
Chair: Judith G. Regensteiner, PhD
8:00 a.m.-8:30 a.m. Incretin-Based Pharmacotherapy, (Osteo)sarcopenia, and Exercise
   Samuel Klein, MD
8:30 a.m.-9:00 a.m. It’s About Time—The Interaction of Exercise and Meal Timing
   Melissa Erickson, PhD
9:00 a.m.-9:30 a.m. Maintaining Muscle Mass and Metabolic Health—Resistance Exercise in Type 2 Diabetes
   Ronald J. Sigal, MD, MPH, FRCPC
Session Type: Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY14-1.5
NIDDK Early Career Investigator Symposium—Leveraging Social Support to Improve Diabetes Self-Management and Health Outcomes—Innovative Methods and Interventions
Room: W311
Co-Chairs: Maureen Monaghan Center, PhD and Miranda Broadney, MD, MPH
8:00 a.m.-8:05 a.m. Welcome Remarks from the NIDDK Director
   Griffin Rodgers, MD, MACP
8:05 a.m.-8:20 a.m. You're Not the Boss of Me!—Innovative Methods and Analyses to Assess the Impact of Caregivers on Diabetes Management and Psychosocial Outcomes of Adolescents with Diabetes
   Daniel R. Tilden, MD, MPH
8:20 a.m.-8:35 a.m. Innovative Methods and Analyses to Assess the Impact of Supportive Others on Diabetes Self-Management and Outcomes—Evaluation of Social Support and Social Networks in Rural-Dwelling Older Adults with Type 2 Diabetes
   Brittany L. Smalls, PhD, MHSA, MSHPsych
8:35 a.m.-8:50 a.m. Interventions Leveraging Social Support to Improve Diabetes Self-Management and Outcomes—Adaptation and Tailoring of a Type 1 Diabetes Education and Support (T1DES) Intervention to Improve Diabetes Distress among Black Young Adults
   Teanie L. Davis, PhD
8:50 a.m.-9:05 a.m. Leveraging Social Support to Improve Diabetes Self-Management and Outcomes—Mobile Health Interventions for Adults with Type 2 Diabetes and Support Persons
   Lindsay S. Mayberry, PhD
9:05 a.m.-9:30 a.m. Panel—Question and Discussion Period

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY15-1.5
ADA Education Recognition Program (ERP)—Diversifying Diabetes Self-Management Education and Support (DSMES) Delivery Models
Room: W304 A-D
Chair: Gene Arnold, MS, RD, LD, CDE
8:00 a.m.-8:15 a.m. Aligning Therapeutic Education with DSMES
   Zoltan Pataky, MD
8:15 a.m.-8:30 a.m. Improving Diabetes Management in the Elderly—DSMES in Home Health
   Kyle Lavergne, DNP
8:30 a.m.-8:45 a.m. Operationalizing Delivery of DSMES in Home Health
   Rena’ Thompson, RN, WTA, CDCES
8:45 a.m.-9:00 a.m. Providing DSMES within Blue Cross and Blue Shield
   Linda Roberto, RN
9:00 a.m.-9:15 a.m. Innovative Approaches to State-Funded Delivery of DSMES at Scale
   Gene Arnold, MS, RD, LD, CDCES
9:15 a.m.-9:30 a.m. Question and Discussion Period
SATURDAY, JUNE 22, 2024

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

Panel
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-PN06-1.5
Newly-Diagnosed Type 2 Diabetes—What Should Be the Focus of Management in 2024?
(Includes Livestream)
Room: W307
Chair: Ravi Retnakaran, MD, FRCPC

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

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

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

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

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

Panel
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-PN16-1.5
The Role of the Interdisciplinary Team in Technology Onboarding in Primary Care
Room: W415C (Valencia Ballroom)
Chair: Richard M. Bergenstal, MD

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

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

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

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

9:20 a.m.-9:30 a.m. Question and Discussion Period
8:00 a.m.-9:30 a.m. (continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY23-1.5
Navigating the Early Phases of Pediatric Type 1 Diabetes
Room: W315
Chair: Stephen E. Gitelman, MD
8:00 a.m.-8:20 a.m. Patient Perspective
   Amanda Twigg, MD
8:20 a.m.-8:40 a.m. Pediatric Type 1 Diabetes Screening Programs
   Anette-Gabriele Ziegler, MD
8:40 a.m.-9:00 a.m. Continuous Glucose Monitoring (CGM) and Early Stage Type 1 Diabetes
   Andrea Steck, MD
9:00 a.m.-9:20 a.m. The Economics of Early-Stage Type 1 Diabetes Detection and Treatment
   R. Brett McQueen, PhD
9:20 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY27-1.5
ADA Diabetes Care Symposium—The Final Frontier—Implementing the Learning from Implementation Science
Room: W308
Chair: John B. Buse, MD, PhD
8:00 a.m.-8:20 a.m. Diabetes Prevention—What Do We Know Now That We Didn't Know 20 Years Ago?
   Brian Oldenburg, MPsychol, PhD
8:20 a.m.-8:40 a.m. Using Telehealth to Improve Diabetes Control in Real-World Practice
   Matthew J. Crowley, MD, MHS
8:40 a.m.-9:00 a.m. Multifactorial Cardiovascular Risk Reduction—The COORDINATE-Diabetes Implementation Example
   Jennifer B. Green, MD
9:00 a.m.-9:20 a.m. Commentary and Future Direction
   Nisa M. Maruthur, MD, MHS
9:20 a.m.-9:30 a.m. Question and Discussion Period
8:00 a.m.-9:30 a.m.  
(continued)

Panel  
Theme Area: Epidemiology/Genetics  
Session Number: EG-PN05-1.5  
Diabetes Genome-Wide Association Study—Why Keep Going?  
Room: W207  
Chair: Cassandra N. Spracklen, PhD  
8:00 a.m.-8:20 a.m.  
**Type 1 Diabetes Multiancestry Genome-Wide Association Study**  
Stephen S. Rich, PhD, FAHA  
8:20 a.m.-8:40 a.m.  
**Type 2 Diabetes Global Genetics Initiative**  
Eleftheria Zeggini, PhD  
8:40 a.m.-9:00 a.m.  
**Type 2 Diabetes Genome-Wide Association Study Cluster Partitioning**  
Miriam Udler, MD, PhD  
9:00 a.m.-9:20 a.m.  
**Type 2 Diabetes Genome-Wide Association Studies in Underrepresented Populations**  
Adebowale A. Adeyemo, MD  
9:20 a.m.-9:30 a.m.  
**Question and Discussion Period**

Symposium  
Theme Area: Immunology/Beta-Cell Replacement  
Session Number: IBC-SY06-1.5  
Clinical Beta-Cell Replacement Therapy in the Near Future *(Includes Livestream)*  
Room: W414  
Chair: Melena Bellin, MD  
8:00 a.m.-8:20 a.m.  
**How to Design the Optimal Beta-Cell Surrogate**  
Cristina Nostro, PhD  
8:20 a.m.-8:40 a.m.  
**Materials to Prevent Immune Rejection**  
Alice A. Tomei, PhD  
8:40 a.m.-9:00 a.m.  
**Islet Vascularization**  
Appakalai N. Balamurugan, PhD  
9:00 a.m.-9:20 a.m.  
**Integration of Tools for Monitoring Therapeutic Success**  
Katy Digovich  
9:20 a.m.-9:30 a.m.  
**Question and Discussion Period**
8:00 a.m.-9:30 a.m.
(continued)

Symposium
Theme Area: Obesity/Integrated Physiology
Session Number: IP-SY08-1.5
**Obesity in United States Hispanic/Latino Populations—Challenges and Strategies**
Room: W304 E-H
Chair: Rodolfo J. Galindo, MD
8:00 a.m.-8:20 a.m. Obesity Inequity among Hispanic/Latino Adults and Children in the United States—Drivers and Implications
Erica G. Soltero, PhD
8:20 a.m.-8:40 a.m. Metabolic-Dysfunction—Associated Steatotic Liver Disease among Hispanic/Latino Children and Adults
Jeffrey Schwimmer, MD
8:40 a.m.-9:00 a.m. Tailoring Obesity Treatments to the United States Hispanic/Latino Population—Success and Challenges
Jaime P. Almandoz, MD, MBA, FTOS
9:00 a.m.-9:20 a.m. Neighborhood Determinants of Health and Policy Changes—Lessons Outside the United States
Carolina Perez-Ferrer, PhD
9:20 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY45-1.5
**The Efficacy and Safety of Inhaled Insulin Used with Insulin Degludec Compared with Automated Insulin Delivery or Multiple Daily Insulin Injections in Adults with Type 1 Diabetes—Results of the INHALE-3 Randomized Trial** *(Includes Livestream)*
Room: W320 (Chapin Theater)
Chair: Roy W. Beck, MD, PhD
8:00 a.m.-8:10 a.m. Inhaled Insulin’s History and Study Rationale
Halis K. Akturk, MD
8:10 a.m.-8:20 a.m. Study Methods and Participant Baseline Characteristics
Yogish C. Kudva, MD
8:20 a.m.-8:30 a.m. Study Results I—Comparison of Inhaled Insulin vs. Rapid-Acting Analogue Insulin in Users of Automated Insulin Delivery or Multiple Daily Insulin Injections during Standardized In-Clinic Meal Challenges
Ruth S. Weinstock, MD, PhD
8:30 a.m.-8:40 a.m. Study Results II—Primary Efficacy, Safety, and Quality of Life Outcomes
Carol J. Levy, MD, CDCES
8:40 a.m.-8:50 a.m. Study Results III—Effect of Inhaled Insulin-Degludec Compared with Automated Insulin Delivery and in Subgroups According to Participant Characteristics
Grazia Aleppo, MD, FACE, FACP
8:50 a.m.-9:00 a.m. Critique of Study Design and Results
Irl B. Hirsch, MD
9:00 a.m.-9:10 a.m. Use of Inhaled Insulin in Clinical Practice
Thomas Blevins, MD
9:10 a.m.-9:30 a.m. Question and Discussion Period
Symposium
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-SY05-1.5
The Good, The Bad, and The Ugly of Lipids in the Beta-Cell Microenvironment
Room: W206
Chair: Marc Prentki, PhD
8:00 a.m.-8:30 a.m. Lipoproteins-Induced Beta-Cell Impairment and Impact on the Action of Beta-Cell—Derived Exosomes
Victor García-González, PhD
8:30 a.m.-9:00 a.m. Glucose Metabolism Primes Lipogenesis in the β-cell Through Epigenomic Signaling
Matthew Worthman, PhD
9:00 a.m.-9:30 a.m. Cholesterol Redistribution in Pancreatic Beta-Cells—A Flexible Path to Regulate Insulin Secretion
Carla Perego, PhD
9:45 a.m.-11:15 a.m.

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

Charles Henderson

and

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

*Lessons Learned—Diabetes Education for One and All*

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

and

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

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

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

Room: West Hall B3-4 (General Session)

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

**Professional Interest Group**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-IG02-1

**Discussion on Foot Care—Lower Extremity Complications**

Room: W206

Chair: Laura Shin, DPM, PhD

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

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

Patrick R. Burns, DPM

12:20 p.m.-12:30 p.m.  *Question and Discussion Period*
11:30 a.m.-12:30 p.m.
(continued)

**Professional Interest Group**
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*
*Session Number: BM-IG02-1*
**Discussion on Exercise Physiology—Syncing Up—Exploring the Interplay of Circadian Rhythms and Exercise**
*Room: W304 A-D*
*Chair: Melissa Erickson, PhD*
11:30 a.m.-11:36 a.m.  *Introduction*
11:36 a.m.-11:54 a.m.  *Exercise Timing and Metabolic Rhythmicity in Type 2 Diabetes*
  Juleen R. Zierath, PhD
11:54 a.m.-12:12 p.m.  *Interaction of Circadian System and Physical Activity on Cardiovascular Health*
  Jingyi Qian, PhD
12:12 p.m.-12:30 p.m.  *Does Timing of Exercise Matter? Time of Day Effects of Physical Activity on Glycemic Outcomes*
  Roeland J.W. Middelbeek, MD, MSc

**Professional Interest Group**
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*
*Session Number: BM-IG04-1*
**Discussion on Nutritional Sciences and Metabolism—The Science of Ultraprocessed Foods and Impacts on Metabolic Diseases**
*Room: W304 E-H*
*Chair: Ranee Chatterjee Montgomery, MD, MPH*
11:30 a.m.-11:35 a.m.  *Introduction*
11:35 a.m.-11:55 a.m.  *Challenges and Opportunities of Ultraprocessed Food Research*
  Lauren E. O’Connor, PhD
11:55 a.m.-12:15 p.m.  *Ultraprocessed Foods and Chronic Disease Across the Lifespan*
  William Heerman, MD, MPH
12:15 p.m.-12:30 p.m.  *Question and Discussion Period*

**Professional Interest Group**
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*
*Session Number: BM-IG05-1*
**Discussion on Women’s Interprofessional Network of the ADA (WIN ADA)—How to Say “No” So You Can Say “Yes”—Optimizing Time Management**
*Room: W308*
*Chair: Rebecca L. Scalzo, PhD*
11:30 a.m.-11:35 a.m.  *Introduction*
11:35 a.m.-11:55 a.m.  *How to Say “No” So You Can Say “Yes”—Optimizing Time Management*
  Linda DiMeglio, MD, MPH
11:55 a.m.-12:15 p.m.  *Question and Discussion Period*
SATURDAY, JUNE 22, 2024

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

Professional Interest Group
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-IG03-1
Discussion on Diabetes in Youth—Perspectives on Universal Antibody Screening
Room: W207
Co-Chairs: Stuart A. Weinzimer, MD and Persis V. Commissariat, PhD, CDCES
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:55 a.m. Universal Antibody Screening—Pediatric Perspective
    Desmond Schatz, MD
11:55 a.m.-12:15 p.m. Universal Antibody Screening—Behavioral Medicine Perspective
    Suzanne B. Johnson, PhD
12:15 p.m.-12:30 p.m. Question and Discussion Period

Professional Interest Group
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-IG05-1
Discussion on Pregnancy and Reproductive Health—Should Continuous Glucose Monitoring Be Used in Pregnancy Complicated by Gestational Diabetes?
Room: W208
Co-Chairs: Camille E. Powe, MD and Greyne O'Malley, MD
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:50 a.m. Continuous Glucose Monitoring Should Be Used Now in Pregnancy Complicated by Gestational Diabetes
    Eleanor M. Scott, BM, BS, MD, FRCP
11:50 a.m.-12:05 p.m. Continuous Glucose Monitoring Should Not Yet Be Used in Pregnancy Complicated by Gestational Diabetes
    Christina M. Scifres, MD
12:05 p.m.-12:10 p.m. Rebuttal
    Eleanor M. Scott, BM, BS, MD, FRCP
12:10 p.m.-12:15 p.m. Rebuttal
    Christina M. Scifres, MD
12:15 p.m.-12:30 p.m. Question and Discussion Period
11:30 a.m.-12:30 p.m.
(continued)

**Professional Interest Group**
*Theme Area: Islet Biology/Insulin Secretion*
Session Number: IB-IG01-1

**Discussion on Islet Biology, Development, and Function—Right on Target—Strategies to Selectively Regenerate and Protect Beta Cells**
Room: W311
Chair: Jeffrey S. Tessem, PhD

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

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

11:50 a.m.-12:05 p.m.  
**Nanoparticle Targeting of the Beta Cell**  
Nikki L. Farnsworth, PhD

12:05 p.m.-12:20 p.m.  
**Zinc Targeting of the Beta Cell**  
Wen-Hong Li, PhD

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

**Professional Development**
*Theme Area: Professional Development*
Session Number: PD-01-1

**Creating Talks That Are Talked About—How to Bring Memorability to Your Presentation(s)**  
(Includes Livestream)
Room: W307
Chair: Nicole Johnson, DrPH, MPH, MA

11:30 a.m.-12:30 p.m.  
**Creating Talks That Are Talked About—How to Bring Memorability To Your Presentation(s)**  
Kari Goetz, BFA, MA
ePoster Theater
Theme Area: Acute and Chronic Complications
Session Number: ePoster01
(*) Diabetic Kidney Disease—From Genetic Pathways to Social Determinants
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Laura Pyle, PhD

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

ePoster Theater
Theme Area: Epidemiology/Genetics
Session Number: ePoster02
(*) Diabetes and CVD—Heartbreak in Motion
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Janet K. Snell-Bergeon, PhD, MPH

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

ePoster Theater
Theme Area: Clinical Diabetes/Therapeutics
Session Number: ePoster03
(*) Insights into the Treatment, Mechanistic Underpinnings, and Determinants of Outcomes in Pregnancies Complicated by Diabetes
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Samantha F. Ehrlich, PhD, MPH

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

ePoster Theater  
Theme Area: Clinical Diabetes/Therapeutics  
Session Number: ePoster04  
(*) Pediatric Research Update—Type 1 Diabetes, Type 2 Diabetes, Obesity  
Room: Exhibit Hall (West A1-A3) ePoster Theater B  
Moderator: Sarah A. MacLeish, DO

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

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

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

Debate
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-DB15-1.5
Innovation or Access in Diabetes Technology—What Should Be Our Global Priority?
Room: W415C (Valencia Ballroom)
Chair: David M. Maahs, MD, PhD
1:30 p.m-1:50 p.m.  Access Should Be Our Top Priority!
                 Apoorva Gomber, MBBS, MD, MPH
1:50 p.m.-2:10 p.m.  Innovation Should Be Our Top Priority!
                 Rayhan Lal, MD
2:10 p.m.-2:25 p.m.  Rebuttal
                 Apoorva Gomber, MBBS, MD, MPH
2:25 p.m.-2:40 p.m.  Rebuttal
                 Rayhan Lal, MD
2:40 p.m.-3:00 p.m.  Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY30-1.5
ADA Primary Care Council—What Does a Person with Diabetes Need from Their Primary Care Team?  (Includes Livestream)
Room: W320 (Chapin Theater)
Chair: Kevin A. Peterson, MD, MPH
1:30 p.m.-3:00 p.m.  Team-Based Care
                 Sarah Candler, MD, MPH, FACP
                 Andrea Haynes, MD
                 Cara Orr, MS, MMS, PA-C
                 Kimberly D. Broughton-Miller, DNP, APRN, FNP-C, ENP-C, FAANP
                 Greg Cohen, DO, FACOFP
                 Pamela Stamm, PharmD, BCPS, BCACP, CDCES, FASHP, FACCNP
                 Benjamin M. Bluml, RPh
1:30 p.m.-3:00 p.m.  (continued)

**Symposium**
*Theme Area: Islet Biology/Insulin Secretion*
*Session Number: IB-SY03-1.5*

**Channeling Mechanisms Underlying Islet Function and Dysfunction** *(Includes Livestream)*
Room: W415B (Valencia Ballroom)
Chair: Show-Ling Shyng, PhD

1:30 p.m.-2:00 p.m.  *Impact of Intracellular Calcium Flux on Beta-Cell Insulin Secretion*
Marjan Slak Rupnik, PhD

2:00 p.m.-2:30 p.m.  *Channeling Euglycemia—TALK-1 Channel Modulation of Islet Hormone Secretion and Glucose Homeostasis*
David Jacobson, PhD

2:30 p.m.-3:00 p.m.  *Impacts of Swell Channels on Insulin Secretion*
Rajan Sah, MD, PhD
Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR02-1.5
Cell and Molecular Approaches to Diabetes-Related Foot Complications (With Roger Pecoraro Award Lecture) *(Includes Livestream)*
Room: W307
Chair: Tyler Lawrence Coye, DPM

1:30 p.m.-2:00 p.m.
Roger Pecoraro Award Lecture

Roger Pecoraro Award Lecture 2024
Frances L. Game, BSc, MBBCh (Hons), MRCP(UK), MRCPath, FRCP
SATURDAY, JUNE 22, 2024

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

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-QR03-1.5

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

Room: W208

Chair: Michael Bancks, PhD, MPH
SATURDAY, JUNE 22, 2024

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

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR08-1.5
Clinical Biomarkers of ASCVD Risk Progression in Diabetes Mellitus and Metabolic Disease
Room: W308
Chair: Om Ganda, MD
1:30 p.m.–3:00 p.m.
(continued)

**Oral Presentations**

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

Session Number: BM-OR01-1.5

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

Room: W314

Chair: Persis V. Commissariat, PhD, CDCES
1:30 p.m.-3:00 p.m.  
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR02-1.5
Using Teams and Technology to Improve Outcomes
Room: W315
Chair: Peter Rossing, MD, DMSc
Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR05-1.5
Novel Insights into Pathophysiology, Diagnosis, and Outcomes in GDM
Room: W311
Chair: Mary R. Loeken, PhD, MS
1:30 p.m.–3:00 p.m.
(continued)

Oral Presentations
Theme Area: Epidemiology/Genetics
Session Number: EG-OR02-1.5
The Safety Net Unraveled—Social and Geographical Factors in Diabetes Disparities
Room: W206
Chair: Jessica L. Harding, PhD
Oral Presentations
Theme Area: Epidemiology/Genetics
Session Number: EG-OR04-1.5
Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents' Select Abstract Presentation)
Room: W207
Chair: Adelaide Tovar, PhD
1:30 p.m. - 3:00 p.m.
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-OR02-1.5
Novel Regulators of Insulin Action and Insulin Sensitivity *(Includes Livestream)*
Room: W414
Chair: Terry Unterman, MD
1:30 p.m.-3:00 p.m.  
(continued)

Oral Presentations
Theme Area: Immunology/Beta-Cell Replacement  
Session Number: IBC-OR05-1.5  
The “Barrier Reef”—Overcoming Hurdles to Beta-Cell Replacement Therapies  
Room: W304 A-D  
Chair: Clayton E. Mathews, PhD
SATURDAY, JUNE 22, 2024

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

ePoster Theater
Theme Area: Clinical Diabetes/Therapeutics
Session Number: ePoster05
(*) Learning Across Diabetes
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Lawrence A. Leiter, MD, FRCPC, FACP, FACE, FAHA, FACC

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

ePoster Theater
Theme Area: Acute and Chronic Complications
Session Number: ePoster06
(*) From Macrovascular to Microvascular
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Carol H. Wysham, MD

(*) Continuing Education Credit Is Not Awarded for this Session.
SATURDAY, JUNE 22, 2024

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

Panel
Theme Area: Acute and Chronic Complications
Session Number: AC-PN03-1
From the Cutting Room Floor—Semi-live Surgery for Healing Diabetic Foot Ulcers for the Referring Practitioner
Room: W206
Chair: Ryan T. Crews, PhD, CCRP
3:15 p.m.-3:40 p.m. After the Referral—Watch How Podiatrists Surgically Treat Foot Ulcers
Haywan Chiu, DPM
3:40 p.m.-4:05 p.m. Kidney-Friendly Vascular Surgery Interventions for Diabetic Peripheral Arterial Disease
Michael Siah, MD
4:05 p.m.-4:15 p.m. Question and Discussion Period

Panel
Theme Area: Acute and Chronic Complications
Session Number: AC-PN08-1
Beyond Statins—Treating and Evaluating Residual Atherosclerotic Cardiovascular Disease Risk
Room: W207
Chair: Chiadi E. Ndumele, MD, PhD
Alternate Chair: Carlos A. Alvarez, PharmD, MSc, MSCS, BCPS
3:15 p.m.-3:25 p.m. New Lipid-Lowering Pharmacotherapies in Diabetes
Erin Michos, MD, MHS
3:25 p.m.-3:35 p.m. Lp(a) Therapeutics—Are We There Yet?
Marlys Koschinsky, PhD
3:35 p.m.-3:45 p.m. Advanced Diagnostic Imaging—Is Your Lipid Therapy Good Enough?
Yasmin S. Hamirani, MD
3:45 p.m.-4:15 p.m. Panel Discussion

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY02-1
Diabetic Retinopathy Care and Screening—Is Artificial Intelligence Changing the Future?
Room: W208
Chair: Paolo S. Silva, MD
3:15 p.m.-3:30 p.m. Overview of DRCR Retina Network Studies and Standards of Diabetes Eye Care
Mohamed Elmasry, MD, PhD
3:30 p.m.-3:45 p.m. Emerging Treatment Strategies for Diabetic Retinopathy
Thomas W. Gardner, MD, MS
3:45 p.m.-4:00 p.m. Artificial Intelligence and Novel Retinal Imaging in Diabetic Retinopathy Screening
Aaron Y. Lee, MD, MSCI
4:00 p.m.-4:15 p.m. Leveraging Diabetic Retinopathy Screening Programs in Clinical Trials
David Preiss, MBChB, MRCP, FRCPath, PhD
Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY14-1
The Many Faces of Kidney Disease in Diabetes—Not All Are Diabetic Nephropathy (Includes Livestream)
Room: W307
Chair: Ashish Verma, MB, BS
3:15 p.m.-3:35 p.m. Acute Kidney Injury and Its Long-Term Consequences in Diabetes
Andrew Advani, BSc, MBChB(Hons), PhD, FRCP(UK), FRCP(Edin), FASN
3:35 p.m.-3:55 p.m. The Vascular Crossroads—Hypertension and Vascular Disease in Diabetic Kidney Disease Progression
Jeffrey B. Hodgin, MD, PhD
3:55 p.m.-4:15 p.m. Decoding Diabetic Kidney Disease—Molecular Subtypes and the Future of Nosology
Timothy Sutton, MD

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY16-1
Updates in Autonomic Neuropathy
Room: W308
Chair: Andrew J.M. Boulton, MD, DSc (Hon), FACP, FICP, FRCP
3:15 p.m.-3:35 p.m. Autonomic Dysfunction—Challenging Clinical Scenarios
Christian S. Hansen, MD, PhD
3:35 p.m.-3:55 p.m. Gastroparesis—Myths and Facts
Karen L. Jones, Dipp App Sc (Nuclear Medicine), PhD
3:55 p.m.-4:15 p.m. Question and Discussion Period

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY06-1
Optimizing Outcomes of GLP-1+/GIP Receptor Agonists—How to Help Patients Succeed
Room: W315
Chair: Ka Hei Karen Lau, MS, RDN, LDN, CDCES
3:15 p.m.-3:45 p.m. Is Weight Loss Everything? Nutrition and Lifestyle Are Missing Puzzle Pieces
Colleen Dawkins, FNP-C, RDN, CSOWM
3:45 p.m.-4:15 p.m. Protocol in Practice—Standing Orders for RD/RN Management of GLP-1/GIP Receptor Agonists
Maureen Chomko, RD, CDCES
Debate
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-DB18-1
Diabetes Prevention Program (DPP) vs. GLP-1RA—Which Tool Is Best to Battle the Obesity and Diabetes Epidemics?
Room: W304 E-H
Chair: Amisha Wallia, MD, MS
3:15 p.m.-3:35 p.m. The Diabetes Prevention Program Is the Best Tool to Battle Prediabetes and Obesity (NDPP)  
David G. Marrero, PhD
3:35 p.m.-3:55 p.m. GLP-1RAs Are the Best Tools to Battle Prediabetes and Obesity  
Ildiko Lingvay, MD, MPH, MSCS
3:55 p.m.-4:00 p.m. Rebuttal  
David G. Marrero, PhD
4:00 p.m.-4:05 p.m. Rebuttal  
Ildiko Lingvay, MD, MPH, MSCS
4:05 p.m.-4:15 p.m. Question and Discussion Period

Panel
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-PN11-1
GLP-1 +/- GIP Receptor Agonists in the Perioperative Setting—To Stop or Not to Stop?
Room: W415C (Valencia Ballroom)
Chair: Leigh Perreault, MD, FACE, FACP
3:15 p.m.-3:30 p.m. Anesthesia Perspective  
Girish P. Joshi, MBBS, MD, FFARCSI
3:30 p.m.-3:45 p.m. Gastroenterology Perspective  
Jana G. Al Hashash, MD, MSc, FACG, AGAF
3:45 p.m.-4:00 p.m. Endocrinology Perspective  
Sue D. Pedersen, MD, FRCPC C-ENDO, DABOM
4:00 p.m.-4:15 p.m. Panel Discussion

Panel
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-PN19-1
Health Care Policy and Diabetes—How to Improve Population Health from Multiple Perspectives  
(Includes Livestream)
Room: W320 (Chapin Theater)
Chair: Elbert Huang, MD, MPH, FACP
3:15 p.m.-4:15 p.m. Health Care Policy and Diabetes—How to Improve Population Health from Multiple Perspectives  
Neda Laiteprapong, MD, MS, FACP
Irl B. Hirsch, MD
Mohammed K. Ali, MD, MSc, MBA
Keri J. Whitaker, RN
Primary Speaker: TBD
SATURDAY, JUNE 22, 2024

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

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY13-1
How I Feel Matters, Too—The Psychosocial Aspects of Automated Insulin Delivery (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: William H. Polonsky, PhD, CDCES
3:15 p.m.-3:45 p.m.  It’s Still a Lot of Work—Mitigating Diabetes Technology Burnout
Jill Weissberg-Benchell, PhD, CDCES
3:45 p.m.-4:15 p.m.  Psychosocial Considerations of Automated Insulin Delivery
Marisa E. Hilliard, PhD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY34-1
Hyperglycemic Crises in Diabetes
Room: W314
Co-Chairs: Nuha El Sayed, MD, MMSc and Guillermo Umpierrez, MD, CDCES, MACP, FACE
3:15 p.m.-3:25 p.m.  Welcome and Introduction—Rationale and Methods
Guillermo Umpierrez, MD, CDCES, MACP, FACE
3:25 p.m.-3:35 p.m.  Epidemiology—Global Trends, Costs, Mortality
Georgia M. Davis, MD
3:35 p.m.-3:45 p.m.  Pathogenesis and Diagnostic Criteria
Ketan Dhatariya, MBBS, MSc, MD, MS, FRCP, PhD
3:45 p.m.-3:55 p.m.  Management—Acute and Transition Protocol
Rodolfo J. Galindo, MD
3:55 p.m.-4:05 p.m.  Complications and Discharge Protocol
David C. Klonoff, MD, FACP, FRCP (Edin), Fellow AIMBE
4:05 p.m.-4:15 p.m.  Question and Discussion Period

Debate
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-DB01-1
Boosting Energy Expenditure in Obesity—Debating the Potential of Thermogenic Adipose Tissue and Skeletal Muscle Bioenergetics as Antiobesity Targets in Humans
Room: W304 A-D
Chair: Shingo Kajimura, PhD
3:15 p.m.-3:30 p.m.  Brown Fat Is a Regulator of Energy Balance in Humans
Denis Blondin, PhD
3:30 p.m.-3:45 p.m.  The Role of BAT in Obesity and Weight Loss
Kirsi M. Virtanen, MD
3:45 p.m.-3:50 p.m.  Rebuttal
Denis Blondin, PhD
3:50 p.m.-3:55 p.m.  Rebuttal
Kirsi M. Virtanen, MD
3:55 p.m.-4:15 p.m.  Question and Discussion Period
3:15 p.m.-4:15 p.m.  
(continued)

**Symposium**  
*Theme Area: Obesity/Integrated Physiology*  
*Session Number: IP-SY06-1*

**Intermittent Fasting in Various Forms of Diabetes Care (Includes Livestream)**  
*Room: W414*  
*Chair: Kelsey Gabel, RD, MS, PhD*

- **3:15 p.m.-3:35 p.m.**  
  *Possibilities of Fasting in Patients with Diabetes*  
  Lisa S. Chow, MD, MS

- **3:35 p.m.-3:55 p.m.**  
  *Can Time-Restricted Eating Inhibit the Progression of Prediabetes?*  
  Courtney M. Peterson, PhD, MSc, MA, MS

- **3:55 p.m.-4:15 p.m.**  
  *Can Time-Restricted Eating Treat Polycystic Ovary Syndrome?*  
  Sofia Cienfuegos, PhD, MS

**Symposium**  
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*  
*Session Number: BM-SY18-1*

**International Consensus Statement and Movement to End Diabetes Stigma**  
*Room: W311*  
*Chair: Jane Speight, MSc, PhD, CPyschol, FBPsS*

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

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

- **3:45 p.m.-4:00 p.m.**  
  *Research in Diabetes Stigma—What’s Next?*  
  Kevin Joiner, PhD, APRN, ANP-BC, CDCES

- **4:00 p.m.-4:15 p.m.**  
  *Integration into Care Settings—Patient Perspective and Identifying Resources*  
  Susan Guzman, PhD
4:30 p.m.-6:00 p.m.

**Symposium**
*Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise*
Session Number: BM-SY01-1.5
**The Evolution of Diabetes Behavioral Care (Includes Livestream)**
Room: W307
Chair: Mary de Groot, PhD
4:30 p.m.-5:00 p.m. *Establishing the Evidence Base for Patient Empowerment in Behavioral Diabetes Care*
   Gretchen Piatt, PhD, MPH
5:00 p.m.-5:30 p.m. *Harnessing Advanced Methods and Technologies for Behavioral Diabetes Care*
   Molly L. Tanenbaum, PhD
5:30 p.m.-6:00 p.m. *Advancing Health Equity in Behavioral Diabetes Care*
   Nadia Islam, MA, MPhil, PhD

**Main Event**
*Theme Area: Main Event*
Session Number: CT-ME40-1.5
(*) *Innovation Challenge (Includes Livestream)*
(*) Continuing Education Credit Is Not Awarded for this Session
Room: West Hall B3-4 (General Session)
Co-Chairs: Robert A. Gabbay, MD, PhD and Nicole Johnson, DrPH, MPH, MA
4:30 p.m.-6:00 p.m. *Innovation Challenge*
   Primary Speaker: TBD

**Symposium**
*Theme Area: Clinical Diabetes/Therapeutics*
Session Number: CT-SY09-1.5
**Diabetes and the Lung—Cause and Consequence (Includes Livestream)**
Room: W414
Chair: Vanita R. Aroda, MD
4:30 p.m.-4:50 p.m. *What Do We Know about Diabetes and the Lung?*
   Juan C. Celedón, MD, DrPH
4:50 p.m.-5:10 p.m. *GLP-1 Receptor Agonists and the Respiratory Outcomes in Patients with Asthma and Chronic Obstructive Pulmonary Disease*
   Dinah Foer, MD
5:10 p.m.-5:30 p.m. *Insulin Resistance as a Treatable Trait in Asthma*
   Tianshi D. Wu, MD, MHS
5:30 p.m.-5:50 p.m. *Immunometabolic Pathways in Lung Inflammation—Novel Therapeutic Opportunities*
   M. Furkan Burak, MD
5:50 p.m.-6:00 p.m. *Question and Discussion Period*
Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY29-1.5
Heterogeneity of Diabetes—Pathophysiology to Global Considerations (Includes Livestream)
Room: W320 (Chapin Theater)
Chair: Stephen S. Rich, PhD, FAHA
4:30 p.m.-4:45 p.m. Heterogeneity of Diabetes—A Global Perspective
Paul W. Franks, PhD
4:45 p.m.-5:05 p.m. Heterogeneity in Type 2 Diabetes
Shivani Misra, MD, PhD
5:05 p.m.-5:25 p.m. Heterogeneity in Treatment Strategies for Diabetes
Ronald C. W. Ma, MB, BChir, FRCP
5:25 p.m.-5:45 p.m. Heterogeneity from Social Determinants of Health
Tiffany L. Gary-Webb, PhD, MHS
5:45 p.m.-6:00 p.m. Panel Discussion

Panel
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-PN02-1.5
Technical Challenges and Solutions in Metabolomics (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: TBD
4:30 p.m.-4:50 p.m. Coenzyme Metabolomics
Sophie Trefely, PhD
4:50 p.m.-5:10 p.m. Nuclear Magnetic Resonance–Based Metabolism
Stanislaw Deja, PhD
5:10 p.m.-5:30 p.m. Stable Isotope Tracing In Vivo and Imaging Mass Spec
Tara TeSlaa, PhD
5:30 p.m.-5:50 p.m. New Metabolite ID in Metabolomics
Caroline Chidley, PhD
5:50 p.m.-6:00 p.m. Question and Discussion Period
4:30 p.m. - 6:00 p.m.
(continued)

Oral Presentations
**Theme Area: Clinical Diabetes/Therapeutics**
Session Number: CT-OR09-1.5
**Leveling Up Incretin-Based Therapy in Type 2 Diabetes**
Room: W415C (Valencia Ballroom)
Chair: Tina Vilsbøll, MD, DMSc
SATURDAY, JUNE 22, 2024

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

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR08-1.5
Towards Targeted Weight-Loss Therapy—New Considerations for GLP-1RA or Surgery
Room: W304 A-D
Chair: Daniel S. Hsia, MD
Panel
Theme Area: Acute and Chronic Complications
Session Number: AC-PN10-1.5
A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic *(Includes Livestream)*
Room: W307
Chair: Melissa L. Magwire, RN, MSN, CDE
8:00 a.m.-9:00 a.m. A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic
   Biykem Bozkurt, MD, PhD, FHFS, FACC, FAHA, FACP
   Chiadi E. Ndumele, MD, PhD
   Bruce A. Perkins, MD, MPH, FRCP(C)
   Goutham Rao, MD
   Evan M. Sisson, PharmD, MHA, CDCES
9:00 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY13-1.5
The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities
Room: W206
Chair: Meda E. Pavkov, MD, PhD
8:00 a.m.-8:30 a.m. Heat Waves and Kidneys—How Climate Change Aggravates Diabetic Nephropathy
   Vivek Bhalla, MD
8:30 a.m.-9:00 a.m. Clear Waters Ahead? The Impacts of PFAS on Diabetic Kidney Health
   Jesse Goodrich, PhD
9:00 a.m.-9:30 a.m. The Exposome Imperative—Unlocking the Full Spectrum of Exposure Sciences to Prevent Diabetic Kidney Disease
   Ana Navas-Acien, MD, PhD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY02-1.5
Loneliness Is a Real Heartbreaker *(Includes Livestream)*
Room: W414
Chair: Kevin Joiner, PhD, APRN, ANP-BC, CDCES
8:00 a.m.-8:30 a.m. The Epidemic of Loneliness and Isolation
   Anne Gaglioti, MD, MS, FAAFP
8:30 a.m.-9:00 a.m. The Link between Loneliness and Diabetes
   Xuan Wang, PhD
9:00 a.m.-9:30 a.m. The Psychological Toll of Loneliness
   Ariana Chao, PhD, MSN, BSN, RN
Panel
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-PN10-1.5
Noninsulin Treatment for Type 1 Diabetes
Room: W311
Chair: Richard M. Bergenstal, MD
8:00 a.m.-8:20 a.m. Is There a Place for SGLT Inhibition in Type 1 Diabetes Mellitus?
Ele Ferrannini, MD
8:20 a.m.-8:40 a.m. Is There a Place for GLP-1RA in Type 1 Diabetes Mellitus?
Michael A. Nauck, MD
8:40 a.m.-9:00 a.m. Is There a Place for MRA in Type 1 Diabetes Mellitus?
Hiddo L. Heerspink, PhD
9:00 a.m.-9:20 a.m. The Lived Experience
Wes Unger
9:20 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY01-1.5
Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models
Room: W315
Chair: Linda A. Barbour, MD, MSPH, FACP
8:00 a.m.-8:15 a.m. First Do No Harm—Potential Fetal Programming Perils with Maternal Metformin Use in Pregnancy
Kjersti M. Aagaard, MD, PhD, FACOG
8:15 a.m.-8:30 a.m. Effects and Consequences of Metformin Action in the Fetal Liver from Nonhuman Primates and Sheep
Stephanie R. Wesolowski, PhD
8:30 a.m.-8:45 a.m. Effects of Metformin and Maternal Overnutrition on Fetal Pancreas and Islet Mitochondria in Nonhuman Primates
Maureen Gannon, PhD
8:45 a.m.-9:00 a.m. Evidence for Long-Term Effects of In Utero Metformin Exposure—Where Do We Go from Here?
Susan Ozanne, PhD
9:00 a.m.-9:30 a.m. Question and Discussion Period
8:00 a.m.-9:30 a.m.
(continued)

**Symposium**
*Theme Area: Clinical Diabetes/Therapeutics*
*Session Number: CT-SY24-1.5*
*Joint ADA/ISPAD Symposium—Pediatric Diabetes Insights and Innovations*
*Room: W415C (Valencia Ballroom)*
*Co-Chairs: Jamie R. Wood, MD and Eda Cengiz, MD, MHS*

8:00 a.m.-8:20 a.m. *What Is New in Treatment of Preschool Children with Type 1 Diabetes Mellitus?*
Carine de Beaufort, MD, PhD

8:20 a.m.-8:40 a.m. *Inpatient Pediatric Diabetes Technology Use*
Erin C. Cobry, MD

8:40 a.m.-9:00 a.m. *Innovations in Diabetes Education—App-Based Diabetes Technology Education and More...*
Brynn E. Marks, MD, MSHPEd

9:00 a.m.-9:20 a.m. *Rethinking First-Line Therapy in Pediatric Type 2 Diabetes*
Shylaja Srinivasan, MD, MAS

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

**Symposium**
*Theme Area: Clinical Diabetes/Therapeutics*
*Session Number: CT-SY36-1.5*
*The State of Health Equity and Disability—Supporting Diabetes Technology Usage in People Who Are Deaf/Hard of Hearing or Blind/Low Vision*
*Room: W314*
*Co-Chairs: Nancy A. Allen, PhD and Jeremy Quiroga*

8:00 a.m.-8:20 a.m. *Fostering Inclusivity—Advancing Diabetes Technology for Deaf and Hard of Hearing Individuals*
Michelle L. Litchman, PhD, FNP-BC

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

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

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

9:20 a.m.-9:30 a.m. *Question and Discussion Period*
8:00 a.m.-9:30 a.m.  
(continued)

Symposium  
Theme Area: Clinical Diabetes/Therapeutics  
Session Number: CT-SY44-1.5  
Diabetes and Organ Transplantation—Pathophysiology, Inpatient and Outpatient Management  
Room: W208  
Chair: Boris Draznin, MD, PhD  
8:00 a.m.-8:20 a.m.  Diabetes and Organ Transplantation—An Overview  
Archana R. Sadhu, MD, FACE  
8:20 a.m.-8:40 a.m.  Management of Diabetes following Liver Transplantation  
Palak Choksi, MD  
8:40 a.m.-9:00 a.m.  Diabetes and Kidney Transplantation  
Robert J. Rushakoff, MD  
9:00 a.m.-9:30 a.m.  Question and Discussion Period

Panel  
Theme Area: Epidemiology/Genetics  
Session Number: EG-PN04-1.5  
When a Box Isn’t a Box—Research Frameworks for Understanding and Addressing Disparities in Type 2 Diabetes  
Room: W207  
Chair: Jacqueline A. Seiglie, MD, MSc  
8:00 a.m.-8:20 a.m.  Adapting the NIMHD Research Framework for Diabetes Disparities across the Lifespan  
Eyitayo O. Owolabi, PhD, RN  
8:20 a.m.-8:40 a.m.  Applying Implementation Science Frameworks to Advance Diabetes Prevention Efforts  
Lillian Madrigal, PhD, MPH  
8:40 a.m.-9:00 a.m.  National Policy Frameworks for Addressing Type 2 Diabetes  
Puneet Kaur Chehal, MA, PhD  
9:00 a.m.-9:20 a.m.  A Pragmatic Action-Based Framework to Address Global Inequities in Diabetes  
Ashby F. Walker, PhD  
9:20 a.m.-9:30 a.m.  Question and Discussion Period
8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**  
*Theme Area: Immunology/Beta-Cell Replacement*  
Session Number: IBC-SY04-1.5  
**Translating Type 1 Diabetes Risk Alleles to Therapy**  
Room: W304 A-D  
Chair: Suna Onengut-Gumuscu, PhD  
8:00 a.m.-8:20 a.m.  *IL2RA Variation Shapes Type 1 Diabetes Risk*  
Harikesh S. Wong, PhD, BSc  
8:20 a.m.-8:40 a.m.  *HLA as a Target, Not a Predictor*  
Aaron W. Michels, MD  
8:40 a.m.-9:00 a.m.  *Targeting TYK2 for Treatment of Type 1 Diabetes*  
Farooq Syed, PhD  
9:00 a.m.-9:20 a.m.  *Fixing FOXP3+ Cells in Type 1 Diabetes*  
Matthew E. Brown, BS  
9:20 a.m.-9:30 a.m.  *Question and Discussion Period*  

**Symposium**  
*Theme Area: Insulin Action/Molecular Metabolism*  
Session Number: IA-SY04-1.5  
**Metabolite Transport and Molecular Metabolism**  
Room: W304 E-H  
Chair: Alexander Banks, PhD  
8:00 a.m.-8:20 a.m.  *Fumarate and Mitochondrial Energetics*  
Jessica Spinelli, PhD  
8:20 a.m.-8:40 a.m.  *Lipid Transport and Metabolism*  
Judith Simcox, BA, PhD  
8:40 a.m.-9:00 a.m.  *Insulin Signaling and Bile Acid Transport and Metabolism*  
Rebecca Haeusler, PhD  
9:00 a.m.-9:20 a.m.  *Mitochondrial Pyruvate Transport and Liver Metabolism*  
Brian N. Finck, PhD  
9:20 a.m.-9:30 a.m.  *Question and Discussion Period*  

**Symposium**  
*Theme Area: Obesity/Integrated Physiology*  
Session Number: IP-SY11-1.5  
**Severe GLP-1RA Side Effects in Obesity Treatment—Fact or Fiction? (Includes Livestream)**  
Room: W415B (Valencia Ballroom)  
Chair: Mary-Elizabeth Patti, MD  
8:00 a.m.-8:20 a.m.  *Pancreatitis and Gall Bladder Disease*  
Daniel J. Drucker, MD  
8:20 a.m.-8:40 a.m.  *Suicide Risk*  
John-Michael Gamble, PhD  
8:40 a.m.-9:00 a.m.  *Thyroid Cancer*  
Elizabeth N. Pearce, MD, MSc  
9:00 a.m.-9:20 a.m.  *Fine-Tuning the Patient's GLP-1 Experience*  
Beverly G. Tchang, MD  
9:20 a.m.-9:30 a.m.  *Question and Discussion Period*
8:00 a.m.-9:30 a.m. (continued)

**Symposium**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-SY12-1.5

**ADA Diabetes Journal Symposium—It Is All in Your Head—Central Nervous System Control of Systemic Metabolism**

Room: W308

Chair: Jennifer L. Estall, PhD

8:00 a.m.-8:20 a.m.  *Brain Defense of Glycemia in Health and Diabetes*

Zaman Mirzadeh, MD, PhD

8:20 a.m.-8:40 a.m.  *Central Nervous System Regulation of Systemic Glucose—Lessons Learned from the Adaptation to Exercise*

Kevin Williams, PhD

8:40 a.m.-9:00 a.m.  *What the Gut Says to the Brain About Food*

Laura Rupprecht, PhD

9:00 a.m.-9:20 a.m.  *Neural Signaling To and From Adipose Tissue in the Regulation of Metabolic Health*

Kristy L. Townsend, PhD

9:20 a.m.-9:30 a.m.  *Question and Discussion Period*
SUNDAY, JUNE 23, 2024

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

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

*Fighting Diabetes—A Journey That Began in Childhood*

Mandeep Bajaj, MBBS

and

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

Room: West Hall B3-4 (General Session)

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

Professional Interest Group

*Theme Area: Acute and Chronic Complications*

Session Number: AC-IG01-1

Discussion on Diabetes and Cardiovascular Disease—Obesity and Diabetes—Innovative Research to Inform Clinical Practice

Room: W206

Chair: Heather Ferris, MD, PhD

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

11:33 a.m.-11:48 a.m. Ketone Metabolism and Cardiometabolic Disease

   Peter A. Crawford, MD, PhD

11:48 a.m.-12:03 p.m. Dapagliflozin According to Body Mass Index

   Mikhail N. Kosiborod, MD

12:03 p.m.-12:18 p.m. REAL HEALTH-Diabetes Trial

   Deborah J. Wexler, MD, MSc

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

Professional Interest Group

*Theme Area: Acute and Chronic Complications*

Session Number: AC-IG03-1

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

Room: W207

Chair: Blake Cooper, MD, MPH

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

11:35 a.m.-11:55 a.m. Novel Therapies in Clinical Trials and Treatment Strategies for Diabetic Retinopathy

   T. Y. Alvin Liu, MD

11:55 a.m.-12:15 p.m. Therapies in Development for Diabetic Retinopathy—A Basic Science

   Thomas W. Gardner, MD, MS

12:15 p.m.-12:30 p.m. Question and Discussion Period
SUNDAY, JUNE 23, 2024

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

Professional Interest Group
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-IG01-1
Discussion on Behavioral Medicine and Psychology—Including the Excluded in Behavioral
Diabetes Research
Room: W208
Chair: Marisa E. Hilliard, PhD
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:45 a.m. Recruitment, Retention, and Engagement of Men from Minoritized Racial
and Ethnic Groups in Behavioral Diabetes Research
   Jaclynn M. Hawkins, PhD, MSW
11:45 a.m.-11:55 a.m. Recruitment, Retention, and Engagement of People with Neurodiversity in
Behavioral Research
   Susana R. Patton, PhD, ABPP, CDCES
11:55 a.m.-12:05 p.m. Recruitment, Retention, and Engagement of LGBTQIA+ People in
Behavioral Research
   Lauren B. Beach, Esq., JD, PhD
12:05 p.m.-12:30 p.m. Question and Discussion Period

Professional Interest Group
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-IG03-1
Discussion on Diabetes Self-Management Education and Support (DSMES)—It's Time to
Change the Way We Talk about DSMES!
Room: W308
Chair: Joyce Y. Lee, PharmD, APPh, FCP, BCPS, BCACP, CDCES
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:50 a.m. Prioritizing Health Equity in Diabetes Overview—Centers for Disease
Control and Prevention DP23-0020
   Leslie Harrison, MPH
11:50 a.m.-12:05 p.m. Centers for Disease Control and Prevention DSMES Toolkit
   Melissa Bing, MPH
12:05 p.m.-12:20 p.m. Centers for Disease Control and Prevention DSMES Playbook—Let's Get to
It!
   Betsy Rodriguez, BSN, MSN, CDCES, FADCES
12:20 p.m.-12:30 p.m. Question and Discussion Period
11:30 a.m.-12:30 p.m. (continued)

**Professional Interest Group**
*Theme Area: Clinical Diabetes/Therapeutics*
Session Number: CT-IG02-1
**Discussion on Diabetes in Primary Care—Tackling Diabetes in Primary Care—Training and Workforce Development**
Room: W304 A-D
Chair: Rozalina G. McCoy, MD MS
11:30 a.m.-11:35 a.m. *Introduction*
11:35 a.m.-12:00 p.m. *Training Primary Care Providers to Be Diabetes Specialists*
   Jay H. Shubrook, DO
12:00 p.m.-12:25 p.m. *Leveraging Specialty Diabetology within Primary Care*
   Sarah Cote, NP, CDCES, BC-ADM
12:25 p.m.-12:30 p.m. *Question and Discussion Period*

**Professional Interest Group**
*Theme Area: Clinical Diabetes/Therapeutics*
Session Number: CT-IG06-1
**Discussion on Clinical Centers and Programs—Challenges in Management of Diabetes in Older Adults and in Primary Care**
Room: W304 E-H
Chair: Ali A. Rizvi, MD
11:30 a.m.-11:35 a.m. *Introduction*
11:35 a.m.-12:00 p.m. *Success in Suboptimally Controlled Type 2 Diabetes—The Magic of CGM and Collaboration*
   Andrew Behnke, MD
12:00 p.m.-12:25 p.m. *Challenges in the Management of Diabetes in Older Adults*
   Tali Cukierman-Yaffee, MD, MPH
12:25 p.m.-12:30 p.m. *Question and Discussion Period*

**Workshop**
*Theme Area: Clinical Diabetes/Therapeutics*
Session Number: CT-WS37-1
**Improving Care for Deaf People with Diabetes Who Use ASL Interpreters—A Hands-On Workshop**
Room: W311
Chair: Michelle L. Litchman, PhD, FNP-BC
11:30 a.m.-11:50 a.m. *Language Access Disparity—The Link between Being Deaf and Having Diabetes*
   Karissa Mirus, MHSA
11:50 a.m.-12:10 p.m. *Best Practices for Working with Deaf Populations and ASL Interpreters*
   Susan Layton, CI, CT, NAD IV
12:10 p.m.-12:30 p.m. *Hands-on Simulation of Working with Deaf Populations and ASL Interpreters*
   Michelle L. Litchman, PhD, FNP-BC
   Jeremy Quiroga
11:30 a.m.-12:30 p.m. (continued)

**Professional Development**
*Theme Area: Professional Development*
Session Number: PD-02-1
**Art of Writing a Winning Grant (Includes Livestream)**
Room: W307
Chair: William T. Cefalu, MD

11:30 a.m.-11:50 a.m.  *Basic Science Perspective*
Primary Speaker: TBD
11:50 a.m.-12:10 p.m.  *Clinical/Translational Science Perspective*
Dana Dabelea, MD, PhD
12:10 p.m.-12:30 p.m.  *Question and Discussion Period*
SUNDAY, JUNE 23, 2024

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

ePoster Theater
Theme Area: Clinical Diabetes/Therapeutics
Session Number: ePoster07
(*) Improving Efficacy and Safety of Incretin-Based Therapies
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Stewart B. Harris, CM, MD, MPH, FCFP, FACP

(*) Continuing Education Credit Is Not Awarded for this Session.
SUNDAY, JUNE 23, 2024

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

ePoster Theater
Theme Area: Islet Biology/Insulin Secretion
Session Number: ePoster08
(*) Islet Biology
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Joana Almaca, PhD

(*) Continuing Education Credit Is Not Awarded for this Session.
SUNDAY, JUNE 23, 2024

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

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

Session Number: ePoster09  
(*) Exploring Eating Behaviors and Weight Loss in Youth and Adults with Type 1 and Type 2 Diabetes  
Room: Exhibit Hall (West A1-A3) ePoster Theater A  
Moderator: Lindsay S. Mayberry, PhD

(*) *Continuing Education Credit Is Not Awarded for this Session.*
SUNDAY, JUNE 23, 2024

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

ePoster Theater
Theme Area: Acute and Chronic Complications
Session Number: ePoster10
(*) New Progress in Clinical Screening and Interventions for ASCVD Risk Mitigation in Metabolic Disease
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Jonathan Q. Purnell, MD

(*) Continuing Education Credit Is Not Awarded for this Session.
SUNDAY, JUNE 23, 2024

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

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

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

Debate
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-DB07-1.5
The Role of Artificial Intelligence in Transforming Nutrition and Diabetes Care—Ready for Prime Time or Not Quite?
Room: W311
Chair: Janice MacLeod, MD
1:30 p.m.-1:50 p.m. Yes, the Future Is Now—Harness the Benefits Artificial Intelligence Has to Offer
Samantha Kleinberg, PhD
1:50 p.m.-2:10 p.m. Not Quite, but We Are on Our Way to Building the Evidence
Holly Nicastro, PhD, MPH
2:10 p.m.-2:20 p.m. Rebuttal
Samantha Kleinberg, PhD
2:20 p.m.-2:30 p.m. Rebuttal
Holly Nicastro, PhD, MPH
2:30 p.m.-3:00 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY32-1.5
Global Burden of Cardiovascular Disease in People with Diabetes (Includes Livestream)
Room: W320 (Chapin Theater)
Co-Chairs: Nuha El Sayed, MD, MMSc and Raveendhara Bannuru, MD, PhD, FAGE
1:30 p.m.-1:45 p.m. Cardiometabolic Disease Introduction and United Kingdom Region
Kamlesh Khunti, PhD, MD, FRCGP, FRCP, FMedSci
1:45 p.m.-2:00 p.m. Cardiovascular Disease in China
Weiping Jia, MD
2:00 p.m.-2:15 p.m. Cardiovascular Disease in India
Rakesh Kumar Sahay, MD, DNB, DM
2:15 p.m.-2:30 p.m. Cardiometabolic Disease in Arabian Gulf Region
Mohammed Hassanein, FRCP, CCST, MPHIL
2:30 p.m.-3:00 p.m. Question and Discussion Period
Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR04-1.5
Continuous Glucose Monitoring—Can It Reduce Hypoglycemia Burden?
Room: W307
Chair: Ilias (Elias) Spanakis, MD
Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR09-1.5
Emerging Small Molecule Biomarkers of ASCVD Risk in Metabolic Disease
Room: W208
Chair: Zsu-Zsu Chen, MD
SUNDAY, JUNE 23, 2024

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

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR02-1.5
Multifaceted Insights into Behavioral and Psychosocial Care for Youth and Families
Room: W314
Chair: Lori M. Laffel, MD, MPH
1:30 p.m.-3:00 p.m. (continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR06-1.5
Novel Approaches to Treatment and Characterization of Diabetes in Pregnancy (With Norbert Freinkel Award Lecture) (With ADA Presidents' Select Abstract Presentation) (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: William L. Lowe, Jr., MD

1:30 p.m.-2:00 p.m.
Norbert Freinkel Award Lecture

*Atlantic DIP—Changing the Landscape for Better Maternal and Infant Health*
Fidelma P. Dunne, MD, PhD, FRCP, FRCPI
SUNDAY, JUNE 23, 2024

1:30 p.m.–3:00 p.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR08-1.5
Weighing Opportunities of Incretin-Based Therapy in Obesity (With ADA Presidents' Select Abstract Presentation)
Room: W415C (Valencia Ballroom)
Chair: Ildiko Lingvay, MD, MPH, MScS
1:30 p.m.–3:00 p.m.
(continued)

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR14-1.5
New Technology—AI Focus
Room: W315
Chair: Elena Toschi, MD
1:30 p.m.-3:00 p.m.
(continued)

**Oral Presentations**
*Theme Area: Epidemiology/Genetics*

Session Number: EG-OR05-1.5

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

Room: W207

Chair: Marijana Vujkovic, PhD
Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-OR03-1.5
Metabolic Control of Insulin Action and Secretion *(Includes Livestream)*
Room: W414
Chair: Young-Bum Kim, PhD
SUNDAY, JUNE 23, 2024

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

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-OR02-1.5
Islet Signal Transduction
Room: W206
Chair: Jeffrey S. Tessem, PhD
Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR02-1.5
Research Advances in Metabolic Liver Disease
Room: W308
Chair: Michael R. Rickels, MD, MS
1:30 p.m.–3:00 p.m.
(continued)

**Oral Presentations**

*Theme Area: Obesity/Integrated Physiology*

Session Number: IP-OR04-1.5

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

Room: W304 E-H

Chair: Julio E. Ayala, PhD
SUNDAY, JUNE 23, 2024

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

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR07-1.5
Novel Modulators of Adipose Tissue Function and Adiposity
Room: W304 A-D
Chair: Kevin Y. Lee, PhD
SUNDAY, JUNE 23, 2024

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

ePoster Theater
Theme Area: Clinical Diabetes/Therapeutics
Session Number: ePoster11
(*) Type 2 Diabetes—Prevention, Treatment, and Technology
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Sara Stafford, BSc, MDCM

(*) Continuing Education Credit Is Not Awarded for this Session.
ePoster Theater
Theme Area: Epidemiology/Genetics
Session Number: ePoster12
(*) Growing Older with Diabetes
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Naveed Sattar, MD, PhD

(*) Continuing Education Credit Is Not Awarded for this Session.
SUNDAY, JUNE 23, 2024

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

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

Lessons Learnt from Epidemiology of Diabetes in South Asians—The Kelly West Lecture 2024
Viswanathan Mohan, MD, PhD, DSc, FRCP, FNA, FACE, MACP, FRSE

Room: W320 (Chapin Theater)

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

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY16-1
The Future of Diabetes Nutrition Interventions—Innovation in Practice (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Barbara Eichorst, MS, RD, CDCES
3:15 p.m.-3:35 p.m. Nutrition Education and Food Security Resource for American Indians and Alaska Natives—A Multilevel Intervention to Improve Type 2 Diabetes Outcomes
Sarah A. Stotz, PhD, MS, RDN, CDCES
3:35 p.m.-3:55 p.m. Produce Prescription as Intervention Method for Achieving Sustainable Impact on Individual and Community
Elise Mitchell, MS, MPH
3:55 p.m.-4:15 p.m. Gamification of Nutrition Interventions throughout the Lifespan
Grace E. Sherrarr, PhD

Panel
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-PN10-1
Educating Clinicians in the Latest Inpatient Management Strategies from Both Sides of the Pond
Room: W311
Chair: Jane Jeffrie Seley, DNP, MPH, MSN, GNP, BC-ADM, CDCES, FADCES
3:15 p.m.-3:35 p.m. The United Kingdom Perspective
Ketan Dhatariya, MBBS, MSc, MD, MS, FRCP, PhD
3:35 p.m.-3:55 p.m. The United States Perspective
Rodolfo J. Galindo, MD
3:55 p.m.-4:15 p.m. Question and Discussion Period
3:15 p.m.–4:00 p.m.
(continued)

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-QR01-1
Lower Extremity Complications with Systemic Effects
Room: W206
Chair: Ryan T. Crews, PhD, CCRP
3:15 p.m.-4:15 p.m.  
(continued)

**Oral Presentations**
*Theme Area: Acute and Chronic Complications*
Session Number: AC-OR05-1
**Physiologic Responses to Hypoglycemia—New Insights**
Room: W207
Chair: David A. Baidal, MD
3:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Acute and Chronic Complications
Session Number: AC-OR12-1
Diabetic Kidney Disease (Includes Livestream)
Room: W307
Chair: Jennifer A. Schaub, MD
3:15 p.m.–4:15 p.m. (continued)

**Oral Presentations**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-OR16-1

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

Room: W208

Chair: Mohamed Elmasry, MD, PhD
3:15 p.m.-4:15 p.m.
(continued)

Oral Presentations
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-OR09-1
Clinical Contributions in Type 1 Diabetes and Exercise
Room: W314
Chair: Jane E. Yardley, PhD
Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR19-1

New Insights and Treatments in Management of Youth with Type 1 Diabetes Mellitus
Room: W315
Chair: Laura M. Nally, MD
Oral Presentations
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-OR06-1
Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy
Room: W304 A-D
Chair: David M. Harlan, MD
SUNDAY, JUNE 23, 2024

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

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-OR04-1
Endgame—Oral Abstracts on Beta-Cell Apoptosis (With ADA Presidents' Select Abstract Presentation) *(Includes Livestream)*
Room: W414
Chair: Danielle Dean, PhD
3:15 p.m. - 4:15 p.m.
(continued)

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR03-1
Novel Pathways in Metabolic Regulation
Room: W304 E-H
Chair: Mark A. Herman, MD
SUNDAY, JUNE 23, 2024

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

Oral Presentations
Theme Area: Obesity/Integrated Physiology
Session Number: IP-OR09-1
Risk Factors Reimagined—Beyond Obesity in Metabolic Risk
Room: W308
Chair: Mary-Elizabeth Patti, MD
SUNDAY, JUNE 23, 2024

4:30 p.m.–6:00 p.m.

Panel
Theme Area: Acute and Chronic Complications
Session Number: AC-PN04-1.5
Diabetic Foot Disparities—Treatment With and Without a Multidisciplinary Team
Room: W208
Chair: Amanda L. Killeen, DPM, FACPM, CWSP, FFPM RCPS (Glasg)
4:30 p.m.–4:50 p.m. How It Looks When It Works—Multidisciplinary Team Approach to Diabetic Foot Infection
   Peter A. Crisologo, DPM, FFPM, RCPS (Glasg)
4:50 p.m.–5:10 p.m. Practicing as an Island—When a Multidisciplinary Team Isn’t Available
   Vilayvanh Saysousoukha, DPM
5:10 p.m.–5:30 p.m. From Home to Hospital—a Paramedic’s Perspective on the Diabetic Foot
   Andrew J. Torres, NRP, CP
5:30 p.m.–6:00 p.m. Question and Discussion Period

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY03-1.5
Survey Says—Psychosocial Screening Tools and Their Psychometric Properties for Youth and Adults with Diabetes
Room: W314
Chair: Marisa E. Hilliard, PhD
4:30 p.m.–5:00 p.m. Screening Tools for Executive Function
   Jessie J. Wong, PhD
5:00 p.m.–5:30 p.m. Screening Tools for Depression
   Jeffrey S. Gonzalez, PhD
5:30 p.m.–6:00 p.m. Screening Tools for Anxiety Disorders
   Holly K. O’Donnell, PhD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY12-1.5
Mind the Gap—Health Benefits of Exercise in Women With or at Risk for Diabetes (Includes Livestream)
Room: W307
Chair: Lia Bally, MD, PhD
4:30 p.m.–4:55 p.m. Exercise and Health in Women with Diabetes through the Lifespan
   Cuilin Zhang, MD, PhD
4:55 p.m.–5:20 p.m. Exercise for the Prevention/Management of Type 2 Diabetes in Breast Cancer Survivors
   Sam Orange, PhD
5:20 p.m.–5:45 p.m. Mechanism Underlying the Benefits of Maternal Exercise on Offspring Health
   Laurie Goodyear, PhD
5:45 p.m.–6:00 p.m. Question and Discussion Period
4:30 p.m.–6:00 p.m.  
(continued)

Debate  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-DB05-1.5*  
**Keeping Up with Hollywood—Who Should Be Prioritized for New Antiobesity Medications?**  
*Room: W308*  
*Chair: Caroline K. Kramer, MD, PhD*  
4:30 p.m.–4:40 p.m.  *The Person Who Has Already Benefited from the Medication*  
Deborah Horn, DO, MPH, MFOMA  
4:40 p.m.–4:50 p.m.  *The Person with Overweight and Cardiovascular Disease*  
Pam R. Taub, MD, FACC, FASPC  
4:50 p.m.–5:00 p.m.  *The Person with Class 3 Obesity and No Comorbidities*  
Neda Rasouli, MD  
5:00 p.m.–5:05 p.m.  *Rebuttal*  
Deborah Horn, DO, MPH, MFOMA  
5:05 p.m.–5:10 p.m.  *Rebuttal*  
Pam R. Taub, MD, FACC, FASPC  
5:10 p.m.–5:15 p.m.  *Rebuttal*  
Neda Rasouli, MD  
5:15 p.m.–5:30 p.m.  *The Health Economics Perspective*  
William H. Herman, MD, MPH  
5:30 p.m.–6:00 p.m.  *Question and Discussion Period*  

Panel  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-PN17-1.5*  
**Prioritizing Diversity in Clinical Trials**  
*Room: W315*  
*Chair: Viral N. Shah, MD*  
4:30 p.m.–4:50 p.m.  *Lack of Equitable Representation in Clinical Trials Compounds Disparities*  
Nana-Hawa Yayah Jones, MD  
4:50 p.m.–5:10 p.m.  *The Importance of Diversity from the Regulatory Perspective*  
Dolly Misra, MD  
5:10 p.m.–5:30 p.m.  *Equitable Science Is Good Science—The Importance of Diversity from the PI's Perspective*  
Ananta Addala, DO, MPH  
5:30 p.m.–5:50 p.m.  *The Importance of Diversity from the Advocacy Perspective*  
Kyle Banks  
5:50 p.m.–6:00 p.m.  *Question and Discussion Period*
4:30 p.m.–6:00 p.m. (continued)

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

**Session Number: CT-SY02-1.5**

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

Room: W415C (Valencia Ballroom)

Chair: Emily D. Szmuilowicz, MD, MS

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

Sarit Polsky, MD, MPH

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

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

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

Ashley Battarbee, MD, MSCR

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

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

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

**Symposium**

*Theme Area: Clinical Diabetes/Therapeutics*

**Session Number: CT-SY31-1.5**

**Multiple Faces of Therapeutic Inertia in Diabetes**

Room: W311

Chair: Alexander Turchin, MD, MS

4:30 p.m.–4:50 p.m. *Therapeutic Inertia in Treatment of Diabetes—Are We Making Progress?*

Steven Edelman, MD

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

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

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

Huabing Zhang, MD

5:30 p.m.–5:50 p.m. *When Patients Decline Diabetes Treatment Recommendations*

William H. Polonsky, PhD, CDCES

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

Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY38-1.5

Joint ADA/PAHO Symposium—Latin America and the Caribbean Regional Approach to Prevent and Control Diabetes
Room: W304 E-H
Chair: Anselm Hennis, MD, PhD, FRCP, FACP
Alternate Chair: Silvana Luciani, MD

4:30 p.m.-4:50 p.m. The Growing Burden of Diabetes in Latin America and the Caribbean
Anselm Hennis, MD, PhD, FRCP, FACP

4:50 p.m.-5:10 p.m. Mexico’s Experience to Address Obesity and Improve Diabetes Control
Primary Speaker: TBD

5:10 p.m.-5:30 p.m. Improving Diabetes Care in Jamaica
Tamu Davidson, MD, MPH

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY42-1.5

THE STEP-HFpEF and STEP-HFpEF-DM Trials—Targeting Obesity to Treat Heart Failure
(Includes Livestream)
Room: W320 (Chapin Theater)
Chair: Naveed Sattar, MD, PhD

4:30 p.m.-4:45 p.m. STEP-HFpEF and STEP-HFpEF-DM Trials—Why and What?
Mikhail N. Kosiborod, MD

4:45 p.m.-5:00 p.m. STEP-HFpEF-DM—A Deep Dive into the Metabolic Outcomes
Melanie J. Davies, CBE, MB, ChB, MD, FRCP, FRCGP, FMedSci

5:00 p.m.-5:15 p.m. Does Weight Reduction Modulate Heart Failure Benefit? Insights from STEP-HFpEF
Primary Speaker: TBD

5:15 p.m.-5:30 p.m. Clinical Implications of the STEP-HFpEF Program and Defining the Next Steps Forward
Subodh Verma, MD, PhD, FRCSC

5:30 p.m.-5:45 p.m. Discussant
Vanita R. Aroda, MD

5:45 p.m.-6:00 p.m. Question and Discussion Period
SUNDAY, JUNE 23, 2024

4:30 p.m.—6:00 p.m.
(continued)

Symposium
Theme Area: Epidemiology/Genetics
Session Number: EG-SY03-1.5
Big P, Little P—Diabetes Policies for Public Health
Room: W207
Chair: Gabriel Q. Shaibi, PhD
4:30 p.m.-4:50 p.m. Global Policies for Diabetes Prevention—Successful Policies and Proposed Action Plans
Jennifer Manne-Goehler, MD, ScD
4:50 p.m.-5:10 p.m. Medicaid Expansion (or Lack Thereof) and Diabetes Health Outcomes
Primary Speaker: TBD
5:10 p.m.-5:30 p.m. State-Level Policies That Promote Diabetes Prevention and Successful Disease Management
Matthew J. O’Brien, MD, MSc
5:30 p.m.-5:50 p.m. Working to Prevent Diabetes—Workplace Policies in Canada That Promote Health
Diana Sherifali, PhD, RN, CDE
5:50 p.m.-6:00 p.m. Question and Discussion Period

Symposium
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-SY07-1.5
Long-Term Goals and Challenges for Beta-Cell Replacement Therapy (Includes Livestream)
Room: W414
Chair: Edward Phelps, PhD
4:30 p.m.-4:50 p.m. Sites for Delivery
Melanie L. Graham, PhD, MPH
4:50 p.m.-5:10 p.m. Porcine/Xeno Approaches
Rita Bottino, PhD
5:10 p.m.-5:30 p.m. Induction of Long-Term Tolerance
Norma Sue Kenyon, PhD
5:30 p.m.-5:50 p.m. Role for Basic Science/Animal Models
Eckhard Wolf, PhD
5:50 p.m.-6:00 p.m. Question and Discussion Period
SUNDAY, JUNE 23, 2024

4:30 p.m.–6:00 p.m.
(continued)

**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*
*Session Number: IA-SY05-1.5*

**Lipid Regulation of Mitochondrial Metabolism**
Room: W304 A-D
Chair: Meilian Liu, PhD

- **4:30 p.m.–4:45 p.m.** *Mitochondrial Phospholipid Metabolism*
  Katsu Funai, PhD
- **4:45 p.m.–5:00 p.m.** *Structure/Function of Regulators of Lipid Droplet Formation*
  Michael Airola, PhD
- **5:00 p.m.–5:15 p.m.** *Mitochondrial Dynamics and Function*
  Erin Seifert, PhD
- **5:15 p.m.–5:30 p.m.** *Mitochondria Association with Lipid Droplets—Regulation and Function*
  Orian Shirihai, MD, PhD
- **5:30 p.m.–6:00 p.m.** *Question and Discussion Period*

**Symposium**
*Theme Area: Obesity/Integrated Physiology*
*Session Number: IP-SY02-1.5*

**Weight-Reducing Mechanisms of GLP-1-Based Therapies—New Insights from Animal Studies (Includes Livestream)**
Room: W415B (Valencia Ballroom)
Chair: Zhiping Pang, PhD

- **4:30 p.m.–4:50 p.m.** *Novel Insights into Regulation of Energy Metabolism by GIPR Agonism and GIPR—GLP-1R Coagonism*
  Timo D. Müller, PhD
- **4:50 p.m.–5:10 p.m.** *Systemically-Administered GLP-1 Receptor Agonists vs. Brain-Derived GLP-1—Does It Matter for Weight-Reducing Therapy?*
  Stefan Trapp, PhD
- **5:10 p.m.–5:30 p.m.** *Unraveling the Distributed Neural Circuits Underlying Food Intake and Body Weight Effects of GLP-1 and Its Analogues*
  Karolina P Skibicka, PhD
- **5:30 p.m.–5:50 p.m.** *Strategies for Mitigating Nausea and Emesis Side Effects of GLP-1R Agonism*
  Tito Borner, PhD
- **5:50 p.m.–6:00 p.m.** *Question and Discussion Period*
SUNDAY, JUNE 23, 2024

4:30 p.m.–6:00 p.m.  
(continued)

Oral Presentations
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-OR03-1.5

Beta-Cell Blueprints—Oral Abstracts on Islet Development and Postnatal Growth
Room: W206
Chair: Ronadip R. Banerjee, MD, PhD
MONDAY, JUNE 24, 2024

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

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY15-1.5
A Means to an Endpoint—Establishing Meaningful Outcomes in Clinical Neuropathy Trials
Room: W206
Chair: Lynn Ang, MD
8:00 a.m.-8:20 a.m. Epidemiology Overview of Diabetic Neuropathy
   Barbara H. Braffett, PhD, MS
8:20 a.m.-8:40 a.m. Meaningful Endpoints in Clinical Trials—Lessons Learned
   Rodica Busui, MD, PhD
8:40 a.m.-9:00 a.m. Perspectives on Small-Fiber Endpoints
   Bruce A. Perkins, MD, MPH, FRCP(C)
9:00 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY08-1.5
Innovative Programs That Take on the Challenge of Hard-to-Reach Populations (Includes Livestream)
Room: W415B (Valencia Ballroom)
Chair: Veronica J. Brady, PhD, MSN, BSN
8:00 a.m.-8:30 a.m. Delivering Diabetes Self-Management Education in the Wild West
   Deb Bjorsness, MPH, BC-ADM, RD, CDCES
8:30 a.m.-9:00 a.m. Delivering Diabetes Self-Management Support in the Diabetes Belt
   Windsor W. Sherrill, PhD, MHA, MBA
9:00 a.m.-9:30 a.m. Delivering Diabetes Prevention and Self-Management Support in Latino Communities in the Rockies
   Rocio I. Pereira, MD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY03-1.5
Myth Busters on “Category X” Drugs in Pregnancy—Evidence for Stopping Commonly Used Medications during Pregnancy, Preconception, and Lactation (Includes Livestream)
Room: W414
Chair: Carol J. Levy, MD, CDCES
8:00 a.m.-8:20 a.m. Pharmacology Overview—Which Types of Medications Are Most Likely to Cause Problems in Pregnancy?
   Jason G. Umans, MD, PhD
8:20 a.m.-8:40 a.m. Lipid-Lowering Drugs—The Good, The Bad, and The Not That Ugly
   Ira J. Goldberg, MD
8:40 a.m.-9:00 a.m. GLP-1 Receptor Agonists—How Should We Counsel Our Patients?
   Maisa N. Feghali, MD, MSCR
9:00 a.m.-9:20 a.m. ACE Inhibitors and ARBs—Timing Is Everything
   Jessica S. Tangren, MD
9:20 a.m.-9:30 a.m. Question and Discussion Period
8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY21-1.5*  
**Cost and Quality—Improving Diabetes Care and the Cost of Ongoing Inequities**  
*Room: W311*  
*Chair: TBD*

8:00 a.m.-8:20 a.m.  
*Virtual Peer Groups in Adolescents and Young Adults with Type 1 Diabetes*  
Jennifer Raymond, MD, MCR

8:20 a.m.-8:40 a.m.  
*Improving Diabetes Outcomes and Reducing Inequities through Collaboration—Perspective from the T1D Exchange*  
Osagie Ebekozien, MD, MPH, CPHQ

8:40 a.m.-9:00 a.m.  
*Insurance Coverage, Medical Costs and Productivity Loss among Working Age Adults with Diabetes*  
*Primary Speaker: TBD*

9:00 a.m.-9:20 a.m.  
*Disparities in Diabetes Prevalence and Management*  
Saria Hassan, MD, MPH

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

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY22-1.5*  
**Towards Innovative and Equitable Care in Youth-Onset Type 2 Diabetes**  
*Room: W315*  
*Chair: Sheela N. Magge, MD, MSCE*

8:00 a.m.-8:20 a.m.  
*Advances in Pathophysiology and Novel Treatments in Youth-Onset Type 2 Diabetes*  
Stephanie T. Chung, MBBS

8:20 a.m.-8:40 a.m.  
*Diabetes Care Technology Use and Barriers in Youth-Onset Type 2 Diabetes*  
Laya Ekhlaspour, MD

8:40 a.m.-9:00 a.m.  
*The Genetics of Youth-Onset Type 2 Diabetes—Where Are We and What Lies Ahead?*  
Jennifer N. Todd, MD

9:00 a.m.-9:20 a.m.  
*New Insights into Pathophysiology and Screening of Early Microvascular Complications in Youth-Onset Type 2 Diabetes*  
Risa M. Wolf, MD

9:20 a.m.-9:30 a.m.  
*Question and Discussion Period*
8:00 a.m.-9:30 a.m. (continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY39-1.5
ADA Symposium—Major Advances and Discoveries in Diabetes—The Year in Review (Includes Livestream)
Room: W415C (Valencia Ballroom)
Chair: Alice Y.Y. Cheng, MD, FRCPC
8:00 a.m.-8:20 a.m. Clinical
Vanita R. Aroda, MD
8:20 a.m.-8:40 a.m. Translational
Mary-Elizabeth Patti, MD
8:40 a.m.-9:00 a.m. Basic
Bruce Verchere, PhD
9:00 a.m.-9:30 a.m. Question and Discussion Period

Symposium
Theme Area: Epidemiology/Genetics
Session Number: EG-SY07-1.5
Omics to Understand Genome-Wide Association Study—What’s the Mechanism?
Room: W207
Chair: H. Efsun Arda, PhD
8:00 a.m.-8:30 a.m. Genome-Wide Association Study—From Variant to Function
Debora Sobreira, PhD
8:30 a.m.-9:00 a.m. Genome-Wide Association Study Functional Follow-up at a Single Locus
Nicole Krentz, PhD
9:00 a.m.-9:30 a.m. Leveraging Omics in the Study of Type 2 Diabetes in Underrepresented Populations
Ayo P. Doumatey, PhD

Symposium
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-SY01-1.5
Cross Talk between Beta Cells and Immune Cells
Room: W304 A-D
Chair: Laura M. Jacobsen, MD
8:00 a.m.-8:20 a.m. Mining Spatial Transcriptomics for Beta-Cell—Immune-Cell Cross Talk
Miguel Medina-Serpas, BS
8:20 a.m.-8:40 a.m. Profiling Islet—Immune Cell Interactions in the Human Pancreas
Klaus H. Kaestner, PhD, MS
8:40 a.m.-9:00 a.m. Imaging Beta-Cell—Immune-Cell Interactions
Dirk Homann, MD
9:00 a.m.-9:20 a.m. What Do Immune Cells See in the Pancreas?
Eddie A. James, PhD
9:20 a.m.-9:30 a.m. Question and Discussion Period
MONDAY, JUNE 24, 2024

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

**Symposium**
*Theme Area: Insulin Action/Molecular Metabolism*
*Session Number: IA-SY06-1.5*
**Molecular Integration of Amino Acid and Fat Metabolism in Health and Metabolic Disease**
*Room: W304 E-H*
*Chair: Richard Kibbey, IV, MD, PhD*
8:00 a.m.-8:15 a.m. *Amino Acid Metabolism and Brown Fat Activation*
    Shingo Kajimura, PhD
8:15 a.m.-8:30 a.m. *Amino Acid Signaling and Glucose Regulation*
    Phillip J. White, PhD
8:30 a.m.-8:45 a.m. *Mitochondrial Branched-Chain Amino Acid Oxidation and Metabolism*
    Kelsey Fisher-Wellman, PhD
8:45 a.m.-9:00 a.m. *Pleotropic Effects of Exercise on Amino Acid and Fat Metabolism in Metabolic Disease*
    Kristin I. Stanford, PhD
9:00 a.m.-9:30 a.m. *Question and Discussion Period*

**Symposium**
*Theme Area: Obesity/Integrated Physiology*
*Session Number: IP-SY03-1.5*
**Metabolism and Aging-Related Diseases**
*Room: W308*
*Chair: Liangyou Rui, PhD*
Alternate Chair: Pura Munoz-Canoves, PhD
8:00 a.m.-8:20 a.m. *LRP1 Is a Major Link between Obesity, Memory, and Neurodegenerative Disease*
    Young-Bum Kim, PhD
8:20 a.m.-8:40 a.m. *Caloric Restriction and Aging in Nonhuman Primates*
    Ricki Colman, PhD
8:40 a.m.-9:00 a.m. *Skeletal Aging, the Role of Cellular Senescence in Aging and Endocrine Disease*
    Joshua N. Farr, PhD
9:00 a.m.-9:20 a.m. *Aging-Dependent Regulatory Cells Emerge in Subcutaneous Fat to Inhibit Adipogenesis*
    Hei Sook Sul, PhD
9:20 a.m.-9:30 a.m. *Question and Discussion Period*
8:00 a.m.-9:30 a.m.  
(continued)

**Symposium**  
*Theme Area: Obesity/Integrated Physiology*  
*Session Number: IP-SY04-1.5*  
**Beyond the Scale—Exploring Causes and Consequences of Weight Fluctuation (Includes Livestream)**  
Room: W307  
Chair: Siegfried Ussar, PhD  
8:00 a.m.-8:30 a.m.  *Immune Cell Memory and Weight Cycling*  
Heather Caslin, PhD  
8:30 a.m.-9:00 a.m.  *Signs of Antiaging in Lifestyle Interventions*  
Iris Shai, PhD  
9:00 a.m.-9:30 a.m.  *Nutrient Uptake and Metabolism during Weight Loss*  
Marcus DaSilva Goncalves, MD, PhD

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY50-1.5*  
**Consensus Monitoring Guidance in Early-Stage Type 1 Diabetes (Includes Livestream)**  
Room: W320 (Chapin Theater)  
Co-Chairs: TBD  
8:00 a.m.-8:10 a.m.  *Why Do We Need Monitoring Guidance?*  
Primary Speaker: TBD  
8:10 a.m.-8:20 a.m.  *Coming to Consensus*  
Primary Speaker: TBD  
8:20 a.m.-8:35 a.m.  *Overview of Pediatric Advice*  
Kurt J. Griffin, PhD, MD  
8:35 a.m.-8:50 a.m.  *Overview of Adult Advice*  
Rifka C. Schulman-Rosenbaum, MD, FACE, FACP  
8:50 a.m.-9:10 a.m.  *Psychosocial and Educational Considerations*  
Primary Speaker: TBD  
9:10 a.m.-9:20 a.m.  *Next Steps and Real World Applications*  
Primary Speaker: TBD  
9:20 a.m.-9:30 a.m.  *Panel Discussion*
MONDAY, JUNE 24, 2024

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

Oral Presentations
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-OR15-1.5
New Technology—Continuous Glucose Monitoring
Room: W314
Chair: Ebne Rafi, PharmD
9:45 a.m.-11:15 a.m.

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

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

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

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

Room: West Hall B3-4 (General Session)

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

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG01-1

**Discussion on Diabetes Technology—Enhancing Clinic Efficiency through the Integration of Diabetes Technologies**

Room: W304 A-D

Chair: Viral N. Shah, MD

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

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

Laya Ekhlaspour, MD

11:45 a.m.-11:55 a.m. **Outpatient Clinic Flow for Efficient Work Order**

Halis K. Akturk, MD

11:55 a.m.-12:05 p.m. **Efficient Workflow for Inpatient Technology Use**

Estelle M. Everett, MD, MHS

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

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

**Professional Interest Group**

*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-IG04-1

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

Room: W304 E-H

Chair: Francisco J. Pasquel, MD, MPH

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

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

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

11:55 a.m.-12:15 p.m. **Designing a Program for Preoperative Management of Diabetes**

Rajesh K. Garg, MD

12:15 p.m.-12:30 p.m. **Question and Discussion**
MONDAY, JUNE 24, 2024

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

Professional Interest Group
Theme Area: Epidemiology/Genetics
Session Number: EG-IG01-1
Discussion on Public Health and Epidemiology—Kids Are Not Little Adults—Challenges and Opportunities in the Use of Pharmacotherapy for Youth With and at Risk for Type 2 Diabetes
Room: W207
Chair: Noël C. Barengo, MD, PhD, MPH
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:55 a.m. Role of Antiobesity Pharmacotherapy in Youth With and At Risk for Type 2 Diabetes
   Megan Oberle Bensignor, MD, MSHP
11:55 a.m.-12:15 p.m. Moving Beyond Insulin and Metformin—Learning from Adult Experience to Improve Care for Youth with Type 2 Diabetes
   Mary Ellen Vajravelu, MD, MSHP
12:15 p.m.-12:30 p.m. Question and Discussion Period

Professional Interest Group
Theme Area: Immunology/Beta-Cell Replacement
Session Number: IBC-IG01-1
Discussion on Immunology/Beta-Cell Replacement—Beta-Cell Stressors, Autoantigen Targets, and How This Provokes Immune Attack
Room: W206
Chair: Meaghan Stumpf, MD
11:30 a.m.-11:35 a.m. Introduction
11:35 a.m.-11:50 a.m. Dissecting the Autoimmune T-Cell Repertoires in Type 1 Diabetes
   Alok Joglekar, PhD
11:50 a.m.-12:05 p.m. Beta-Cell Adaptive Stress Response and Immune System Cross Talk in Diabetes
   Amelia K. Linnemann, PhD
12:05 p.m.-12:20 p.m. Stress-Induced Pathways in Beta Cells Increase Immune Perception of Pancreatic Islets—Implications for Type 1 Diabetes
   Aisha Callebut, PhD
12:20 p.m.-12:30 p.m. Question and Discussion Period

Professional Development
Theme Area: Professional Development
Session Number: PD-03-1
Negotiations (Includes Livestream)
Room: W307
Chair: Jane E.B. Reusch, MD
11:30 a.m.-12:10 p.m. Getting The Career You Envision—How To Negotiate For What You Need (And Want)
   Judith G. Regensteiner, PhD
12:10 p.m.-12:30 p.m. Question and Discussion Period
11:30 a.m.-12:30 p.m.  
(continued) 

**ePoster Theater**
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise  
Session Number: ePoster13  
(*) Tailoring Diabetes Self-Management Education to Improve Success  
Room: Exhibit Hall (West A1-A3) ePoster Theater A  
Moderator: TBD

(*) Continuing Education Credit Is Not Awarded for this Session.
11:30 a.m.–12:30 p.m.  
(continued)

ePoster Theater
Theme Area: Obesity/Integrated Physiology
Session Number: ePoster14
(*) Research Advances in Metabolic Regulation
Room: Exhibit Hall (West A1-A3) ePoster Theater B
Moderator: Daisy Duan, MD

(*) Continuing Education Credit Is Not Awarded for this Session.
ePoster Theater
Theme Area: Clinical Diabetes/Therapeutics
Session Number: ePoster15
(*) Creative Strategies for Care Improvement
Room: Exhibit Hall (West A1-A3) ePoster Theater A
Moderator: Jessica L. Harding, PhD

(*) Continuing Education Credit Is Not Awarded for this Session.
MONDAY, JUNE 24, 2024

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

**ePoster Theater**

*Theme Area: Islet Biology/Insulin Secretion*

Session Number: ePoster16

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

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

Moderator: Erin E. Mulvihill, PhD

(*) Continuing Education Credit Is Not Awarded for this Session.
MONDAY, JUNE 24, 2024

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

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

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

Symposium
Theme Area: Acute and Chronic Complications
Session Number: AC-SY06-1.5
Demystifying Impaired Awareness of Hypoglycemia—Diagnosis, Experience, and Treatment in the Real World
Room: W207
Chair: Alexandria Ratzki-Leewing, PhD
1:30 p.m.-2:00 p.m. Impaired Awareness of Hypoglycemia—Screening and Diagnosis in Clinical Practice
   Scott J. Pilla, MD, MHS
2:00 p.m.-2:30 p.m. Evidence-Based Interventions to Restore Awareness of Hypoglycemia
   Jeremy Pettus, MD
2:30 p.m.-3:00 p.m. Living with Impaired Awareness of Hypoglycemia—What People Living with Diabetes Wish You Knew
   Eva Kathmann, PhD

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY09-1.5
How Diabetes Technology Is Changing Diabetes Care in the Real World
Room: W311
Chair: Michelle D. Stancil, MS, BSN, RN, CDCES
1:30 p.m.-2:00 p.m. Don’t Say No to Continuous Glucose Monitors in Primary Care
   Caitlin Nass, MSN, CRNP
2:00 p.m.-2:30 p.m. Implementation of Remote Patient Monitoring in Rural Settings—Barriers and Facilitators
   Emily E. Johnson, PhD
2:30 p.m.-3:00 p.m. How Connected Insulin Pens and Caps Are Facilitating Precision Insulin Management
   Janice MacLeod, MA, RD, CDCES, FADCES
MONDAY, JUNE 24, 2024

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

Symposium
Theme Area: Behavioral Medicine, Clinical Nutrition, Education, and Exercise
Session Number: BM-SY17-1.5
Nutrition and Diabetes Self-Management Education and Support (DSMES)
Room: W415C (Valencia Ballroom)
Chair: Barbara Eichorst, MS, RD, CDCES
1:30 p.m.-2:00 p.m. Collaborations between Providers and DCES's—Bringing Standards of Care Alive
Louis H. Philipson, MD, PhD, FACP
Amy Hess-Fischl, MS, RDN, LDN, BC-ADM, CDCES
2:00 p.m.-2:15 p.m. Integrating Therapeutic Education into Obesity Interventions
Zoltan Pataky, MD
2:15 p.m.-2:30 p.m. Culturally Sensitive Conversations When Approaching Nutrition Changes
Victoria Bouhairie, MD, DipACLM
2:30 p.m.-2:45 p.m. Integrating Multidisciplinary Team in Diabetes Management—Germany Perspective
Peter E.H. Schwarz, PhD
2:45 p.m.-3:00 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY07-1.5
Impact of Precision Medicine on Diabetes
Room: W314
Chair: Anna L. Gloyn, DPhil
1:30 p.m.-2:00 p.m. How Is Precision Medicine Changing the Paradigm in Type 1 Diabetes?
Chantal Mathieu, MD, PhD
2:00 p.m.-2:30 p.m. How Is Precision Medicine Changing the Paradigm in Type 2 Diabetes?
Jose C. Florez, MD, PhD
2:30 p.m.-3:00 p.m. How Is Precision Medicine Changing the Paradigm in Monogenic Diabetes?
Rochelle N. Naylor, MD
1:30 p.m.-3:00 p.m.  
(continued)

**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY20-1.5*  
**Just Do It—Incorporating What We Know into What We Do**  
*Room: W315*  
*Chair: Amisha Wallia, MD, MS*  

1:30 p.m.-1:50 p.m.  
**EHR-Based Tools to Overcome Therapeutic Inertia and Improve Health Equity in Diabetes Technology Prescriptions**  
Brittany S. Bruggeman, MD

1:50 p.m.-2:10 p.m.  
**REALITY Check—Preventing Diabetes in the “Real World”—Early Findings of the Real-World Effectiveness of Interventions of the Type 2 Diabetes Mellitus Prevention Network**  
Tannaz Moin, MD, MBA, MSHS

2:10 p.m.-2:30 p.m.  
**The Michigan Collaborative for Type 2 Diabetes**  
Lauren Oshman, MD, MPH

2:30 p.m.-2:50 p.m.  
**Screening for Type 1 Diabetes—From Evidence**  
Laura M. Jacobsen, MD

2:50 p.m.-3:00 p.m.  
**Question and Discussion Period**

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**Symposium**  
*Theme Area: Clinical Diabetes/Therapeutics*  
*Session Number: CT-SY26-1.5*  
**ADA Diabetes Care/Diabetes/Diabetologia Symposium—The Heterogeneity of Type 1 Diabetes—Pathogenesis, Treatment, and Prevention (Includes Livestream)**  
*Room: W320 (Chapin Theater)*  
*Co-Chairs: Hindrik Mulder, MD, PhD and David A. D'Alessio, MD*  

1:30 p.m.-1:45 p.m.  
**Beta-Cell Pathology in Type 1 Diabetes—Immune, Inflammatory, Functional**  
Primary Speaker: TBD

1:45 p.m.-2:00 p.m.  
**Insulin Replacement in Type 1 Diabetes—Needles, Pumps, and Islets**  
Primary Speaker: TBD

2:00 p.m.-2:15 p.m.  
**The Emerging Spectrum of Strategies to Prevent Type 1 Diabetes**  
Primary Speaker: TBD

2:15 p.m.-3:00 p.m.  
**Question and Discussion Period**
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1:30 p.m.-3:00 p.m.
(continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY28-1.5
Lancet Journal Symposium—Time for a Paradigm Shift? Should We Treat Early Gestational Diabetes Mellitus?
Room: W304 E-H
Chair: Jessamy Bagenal, MBBS
1:30 p.m.-1:50 p.m. Epidemiology of Early Gestational Diabetes Mellitus
Hannah Wesley, BDS, MPH
1:50 p.m.-2:10 p.m. Pathophysiology of Early Gestational Diabetes Mellitus
Marie-France Hivert, MD, MMSc
2:10 p.m.-2:30 p.m. How Should We Diagnose Early Gestational Diabetes Mellitus?
Arianne Sweeting, MBBS, PhD
2:30 p.m.-2:50 p.m. Further Considerations for the Early Diagnosis of Gestational Diabetes Mellitus
Patrick Catalano, MD
2:50 p.m.-3:00 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY41-1.5
The First Dedicated Kidney Outcome Trial with a GLP-1 Receptor Agonist—Once-Weekly Semaglutide and the FLOW Trial Results (Includes Livestream)
Room: W415B (Valencia Ballroom)
Co-Chairs: Richard E. Pratley, MD and Vlado Perkovic, MBBS, PhD, FRACP, FASN, FAHMS
1:30 p.m.-1:40 p.m. Current Treatment Strategies, Unmet Medical Need, FLOW Rationale
Katherine R. Tuttle, MD, FACP, FASN, FNKF
1:40 p.m.-2:00 p.m. FLOW Trial Design and Baseline Characteristics, Glycemic Control, and Body Weight
Richard E. Pratley, MD
2:00 p.m.-2:10 p.m. FLOW Kidney Outcomes
Vlado Perkovic, MBBS, PhD, FRACP, FASN, FAHMS
2:10 p.m.-2:20 p.m. FLOW CV Outcomes
Kenneth W. Mahaffey, MD, PhD
2:20 p.m.-2:30 p.m. FLOW Safety
Johannes F.E. Mann, MD
2:30 p.m.-2:40 p.m. FLOW Results—Summary and Perspective
Peter Rossing, MD, DMSc
2:40 p.m.-3:00 p.m. FLOW Results—Independent Commentary
Sylvia Rosas, MD, MSCE
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1:30 p.m.-3:00 p.m.  
(continued)

Panel
Theme Area: Immunology/Beta-Cell Replacement  
Session Number: IBC-PN03-1.5
Modulating Cytokines—Mechanisms Underlying Type 1 Diabetes Treatment (Includes Livestream)  
Room: W414  
Chair: Cate Speake, PhD
1:30 p.m.-1:55 p.m.  How Does Baricitinib Block Type 1 Diabetes Progression?  
Michaela Waibel, PhD  
1:55 p.m.-2:20 p.m.  How Does IL-2 Treatment Prevent Type 1 Diabetes Progression?  
Ricardo Ferreira, PhD  
2:20 p.m.-2:45 p.m.  How Does Ustekinumab Prevent Type 1 Diabetes Progression?  
Stephanie Hanna, PhD  
2:45 p.m.-3:00 p.m.  Question and Discussion Period

Symposium
Theme Area: Obesity/Integrated Physiology  
Session Number: IP-SY05-1.5
Mitochondria as a Therapeutic Target for Diabetes  
Room: W308  
Chair: Irena A. Rebalka, PhD
1:30 p.m.-2:00 p.m.  Harnessing Amino Acid Metabolism for Diabetic Therapy  
Esther Phielix, PhD  
2:00 p.m.-2:30 p.m.  Targeting Mitochondria via Probiotics to Restore Microbiota Health in Type 2 Diabetes  
Natalia Shulzhenko, MD, PhD  
2:30 p.m.-3:00 p.m.  Exercise and Skeletal Muscle Mitochondrial Adaptations in Type 1 Diabetes  
Dean Minnock, PhD

Symposium
Theme Area: Obesity/Integrated Physiology  
Session Number: IP-SY10-1.5
Food Noise Explained—Satiety Responsiveness and Motivation Processing in the Brain (Includes Livestream)  
Room: W307  
Chair: TBD
1:30 p.m.-2:00 p.m.  Genetic and Environmental Influences on Satiety and Food Motivation in Obesity  
Susan Carnell, PhD  
2:00 p.m.-2:30 p.m.  Gut–Brain Signaling Underlying Motivational Behavior  
Ivan de Araujo, DPhil  
2:30 p.m.-3:00 p.m.  Effect of Behavioral Weight Loss on Satiety and Food Motivation  
Ellen Schur, MD, MS
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1:30 p.m.-3:00 p.m. (continued)

Panel
Theme Area: Islet Biology/Insulin Secretion
Session Number: IB-PN04-1.5
Are We Using the Right Tools to Establish Causality in Islet Function and Dysfunction?
Room: W206
Chair: Alejandro Caicedo, PhD

1:30 p.m.-1:45 p.m. Transgenic Mouse Models Can Be Used to Study In Vivo Beta-Cell Biology
Jennifer L. Estall, PhD

1:45 p.m.-2:00 p.m. Human Samples Are Really Needed Given Differences in Rodent and Human Physiology
Katie C. Coate, PhD

2:00 p.m.-2:15 p.m. Large Omics Data Sets Allow for Key Insights into Beta-Cell Biology
Kyle J. Gaulton, PhD

2:15 p.m.-2:30 p.m. Physiologic Testing Is Necessary to Understand Beta-Cell Biology
Patrick MacDonald, PhD

2:30 p.m.-2:45 p.m. New Models Are Needed for Optimal Testing of Beta-Cell Biology
Rayner Rodriguez Diaz, PhD

2:45 p.m.-3:00 p.m. Question and Discussion Period
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1:30 p.m.-3:00 p.m.
(continued)

Oral Presentations
Theme Area: Insulin Action/Molecular Metabolism
Session Number: IA-OR04-1.5
Revving Up the Adipose to Impact Insulin Sensitivity and Glucose Homeostasis
Room: W304 A-D
Chair: Mary Teruel, PhD
3:15 p.m.-4:15 p.m.

**Symposium**

*Theme Area: Acute and Chronic Complications*

Session Number: AC-SY11-1

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

Room: W206

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

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

  Marie-Eve Piché, MD, PhD, FRCPC, FAHA

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

  Ambarish Pandey, MD, MSCS

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

  Caroline J. Magri, MD, MRCP(UK), FEFIM, MPhil, MSc(Brighton), PhD

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**Ask the Expert**

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

Session Number: BM-AE04-1

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

Room: W314

Chair: Elizabeth A. Beverly, PhD

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

  Jay H. Shubbrook, DO

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

  Angela Bryan, PhD

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

  Halis K. Akturk, MD

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**Panel**

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

Session Number: BM-PN11-1

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

Room: W415C (Valencia Ballroom)

Chair: Michael C. Riddell, PhD

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

  Rêmi Rabasa-Lhoret, MD, PhD
  Aude Bandini, PhD
  Chiara Dalla Man, PhD
  Dale Morrison, PhD
Debate
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-DB04-1
Early Abnormal Glucose Metabolism in Pregnancy—To Treat or Not to Treat
Room: W311
Chair: Erin S. LeBlanc, MD, MPH
3:15 p.m.-3:35 p.m. PRO—Early Abnormal Glucose Metabolism in Pregnancy SHOULD Be Treated
David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)
3:35 p.m.-3:55 p.m. CON—Early Abnormal Glucose Metabolism in Pregnancy SHOULD NOT Be Treated
Lorie M. Harper, MD, MSCI
3:55 p.m.-4:00 p.m. Rebuttal
David Simmons, MA, MBBS, FRACP, FRCP, MD (Cantab)
4:00 p.m.-4:05 p.m. Rebuttal
Lorie M. Harper, MD, MSCI
4:05 p.m.-4:15 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY25-1
Improving Culture of Quality in Pediatric Centers—Lessons from the Type 1 Diabetes Exchange Quality Improvement Collaborative
Room: W315
Chair: Eda Cengiz, MD, MHS
3:15 p.m.-3:35 p.m. Increasing Insulin Pump Utilization in Public-Insured Patients
Anna Cymbaluk, MD
3:35 p.m.-3:55 p.m. Current Approaches to Addressing Racial Equity—Insights from the T1D Exchange Q1 Collaborative
Trevon Wright, MHA
3:55 p.m.-4:15 p.m. Data-Driven Predictions to Determine High-Risk Patients with Type 1 Diabetes
Mark A. Clements, MD, PhD
3:15 p.m.-4:15 p.m.
(continued)

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY47-1
Use of SGLT2i in Youth with Type 1 Diabetes—Results from ATTEMPT (The Adolescent Type 1 Diabetes Treatment with SGLT2i for hyperglycEMia & hyPerfilTration Trial) (Includes Livestream)
Room: W414
Chair: Peter A. Senior, MBBS, PhD
3:15 p.m.-3:30 p.m.  Rationale for SGLT2i Adjunctive Therapy in Youth with Type 1 Diabetes
Petter Bjornstad, MD
3:30 p.m.-3:50 p.m. ATTEMPT Study—Renal and Glycemic Outcomes
Farid H. Mahmud, MD
3:50 p.m.-4:00 p.m. ATTEMPT Study—Patient Perspectives of SGLT2i For Diabetes Management
Samantha Anthony, PhD, MSW, RSW
4:00 p.m.-4:10 p.m. ATTEMPT Study Commentary—SGLT2i in Youth with Type 1 Diabetes
Jennifer L. Sherr, MD, PhD
4:10 p.m.-4:15 p.m. Question and Discussion Period

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY48-1
Prevalence of Hypercortisolism in Difficult-to-Control Type 2 Diabetes
Room: W415B (Valencia Ballroom)
Chair: Rodica Busui, MD, PhD
3:15 p.m.-3:25 p.m. The Spectrum of Hypercortisolism—An Evolution of Understanding
Richard Auchus, MD, PhD
3:25 p.m.-3:35 p.m. Pathologic Mechanisms of Hypercortisolism in Type 2 Diabetes
Ralph A. DeFronzo, MD
3:35 p.m.-3:45 p.m. Rationale for and Design of the CATALYST Trial
Athena Philis-Tsimikas, MD
3:45 p.m.-3:55 p.m. Results of the CATALYST Trial Part 1
Vivian Fonseca, MD
3:55 p.m.-4:05 p.m. Clinical Implications of the CATALYST Trial Part 1
John B. Buse, MD, PhD
4:05 p.m.-4:15 p.m. Question and Discussion Period
3:15 p.m.-4:15 p.m. (continued)

**Symposium**  
*Theme Area: Epidemiology/Genetics*  
*Session Number: EG-SY06-1*  
**Diabetes Genetic Convergence—Shared Networks of Rare and Common Variants**  
*Room: W207*  
*Chair: Melina Claussnitzer, PhD*

- **3:15 p.m.-3:35 p.m.**  
  *Diabetes Genetic Convergence—Rare to Common Variants in Networks*  
  Kashyap A. Patel, MRCP, PhD

- **3:35 p.m.-3:55 p.m.**  
  *Single Cell Transcriptomics, Networks, Genetic Convergence, HNF1A*  
  Yan Li, PhD

- **3:55 p.m.-4:15 p.m.**  
  *Genetic Convergence in Rare and Common Diabetes (HNF1A and RFX6), MPRA*  
  Adelaide Tovar, PhD

**Debate**  
*Theme Area: Immunology/Beta-Cell Replacement*  
*Session Number: IBC-DB02-1*  
**Do Immune or Beta Cells Drive Transition from Stage 1 to Stage 3 Type 1 Diabetes?**  
*Room: W304 A-D*  
*Chair: Alberto Pugliese, MD*

- **3:15 p.m.-3:30 p.m.**  
  *Type 1 Diabetes Progression Is Precipitated by Immune Cells*  
  Jamie L. Felton, MD

- **3:30 p.m.-3:45 p.m.**  
  *Type 1 Diabetes Progression Is Precipitated by Beta Cells*  
  Edward Phelps, PhD

- **3:45 p.m.-3:50 p.m.**  
  *Rebuttal*  
  Jamie L. Felton, MD

- **3:50 p.m.-3:55 p.m.**  
  *Rebuttal*  
  Edward Phelps, PhD

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

**Symposium**  
*Theme Area: Immunology/Beta-Cell Replacement*  
*Session Number: IBC-SY08-1*  
**The Future of Diabetes Care as Cell Replacement or Regeneration Therapies (Includes Livestream)**  
*Room: W307*  
*Chair: Mark A. Atkinson, PhD*

- **3:15 p.m.-3:40 p.m.**  
  *Designing the Next Generation of Beta Cells for Stem Cell Rx*  
  Matthias Hebrok, PhD

- **3:40 p.m.-4:05 p.m.**  
  *Beta-Cell Regeneration Strategies*  
  Andrew F. Stewart, MD

- **4:05 p.m.-4:15 p.m.**  
  *Question and Discussion Period*
3:15 p.m.-4:15 p.m. (continued)

Panel
Theme Area: Obesity/Integrated Physiology
Session Number: IP-PN01-1
**Leptin, 30 Years Later**
Room: W304 E-H
Chair: Jeffrey S. Flier, MD
3:15 p.m.-4:15 p.m. Leptin, 30 Years Later
Martin G. Myers, Jr., MD, PhD
Stephanie Fulton, PhD
Philipp E. Scherer, PhD
Rudolph L. Leibel, MD

Panel
Theme Area: Obesity/Integrated Physiology
Session Number: IP-PN09-1
**Ripple Effects after the Advent of Highly Effective Antiobesity Pharmacotherapy —Pharmacoequity in the United States**
Room: W308
Chair: Jessica Schwartz, MD, MHS
3:15 p.m.-3:35 p.m. Principles of Pharmacoequity
Utibe Essien, MD, MPH
3:35 p.m.-3:55 p.m. Antiobesity Medication Access on the Clinical Frontlines
Kristina H. Lewis, MD, MPH, SM
3:55 p.m.-4:15 p.m. Economic and Public Policy Considerations in the United States
Alison Ward, PhD

Symposium
Theme Area: Clinical Diabetes/Therapeutics
Session Number: CT-SY46-1
**Results from a Randomized Trial of Intensive Glucose Management Using Continuous Glucose Monitoring (CGM) Versus Usual Care in Hospitalized Adults with Type 2 Diabetes —The TIGHT Study (Includes Livestream)**
Room: W320 (Chapin Theater)
Chair: Celia C. Low Wang, MD
3:15 p.m.-3:26 p.m. Study Background and Rationale
Boris Draznin, MD, PhD
3:26 p.m.-3:37 p.m. Study Methods
Jagdeesh Ullal, MD, MS, FACE, FACP, ECNU
3:37 p.m.-3:48 p.m. Study Results
Guillermo Umierrez, MD, CDCES, MACP, FACE
3:48 p.m.-3:59 p.m. Discussion of Results and Conclusions
Irl B. Hirsch, MD
3:59 p.m.-4:15 p.m. Question and Discussion Period