



**84TH SCIENTIFIC
SESSIONS**

Program Information

June 21-24, 2024



Table of Contents

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.



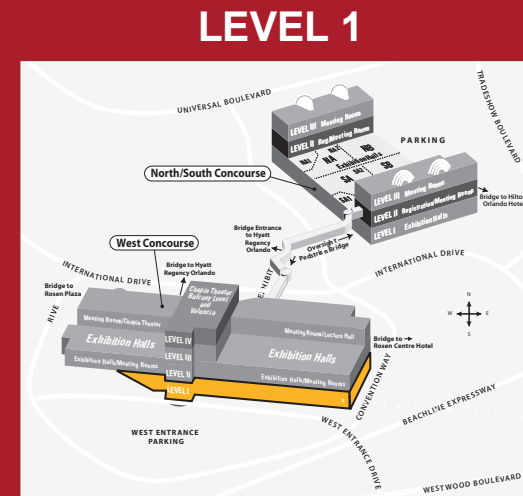
02	Maps
10	Day at a Glance
10	Friday, June 21
14	Saturday, June 22
22	Sunday, June 23
30	Monday, June 24
36	Notes

Scan to view the Online Planner



Orlando Convention Center

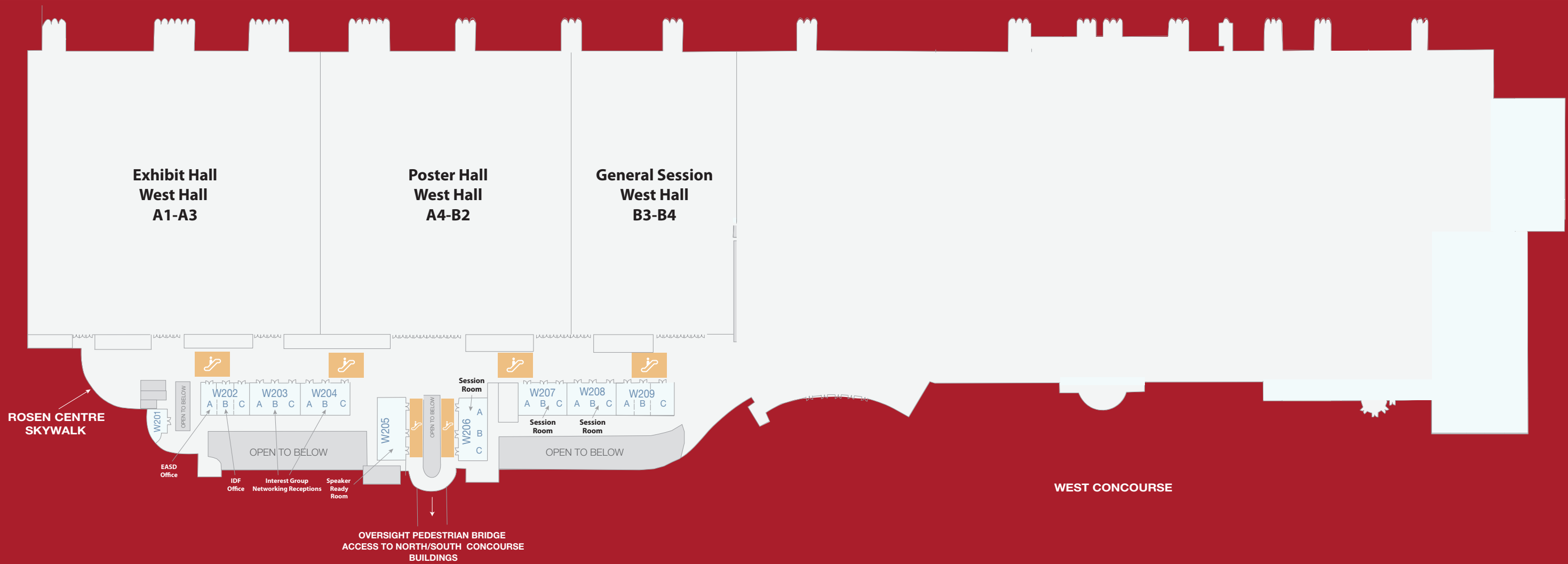
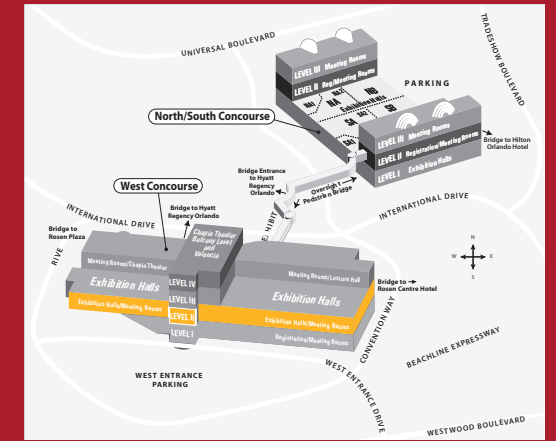
West Concourse Level 1



Orlando Convention Center

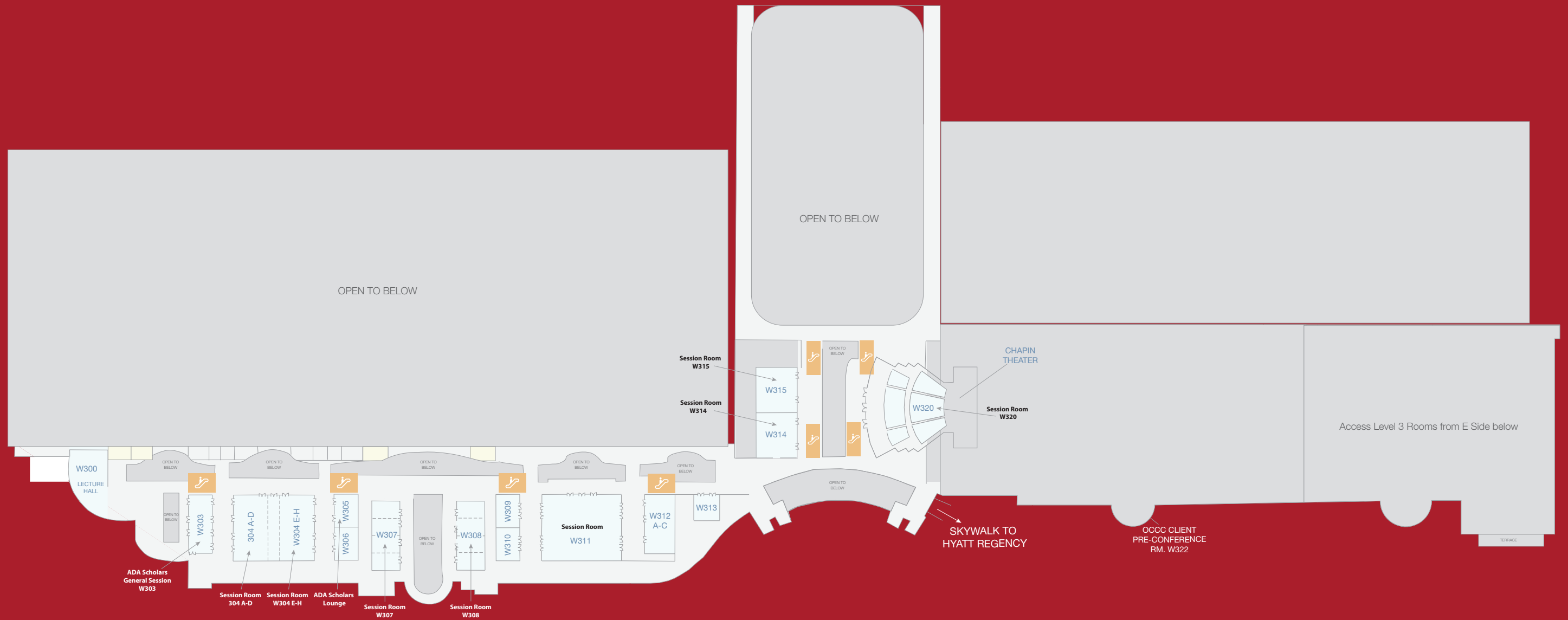
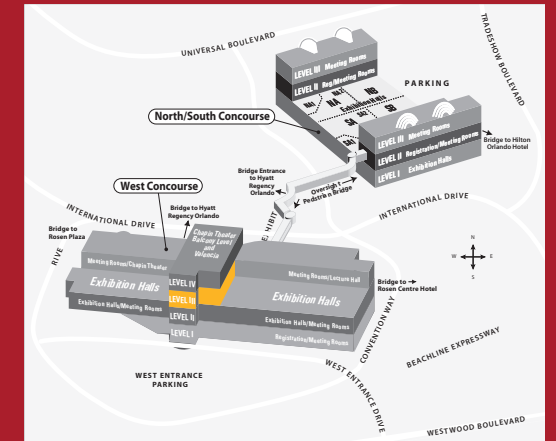
West Concourse Level 2

LEVEL 2



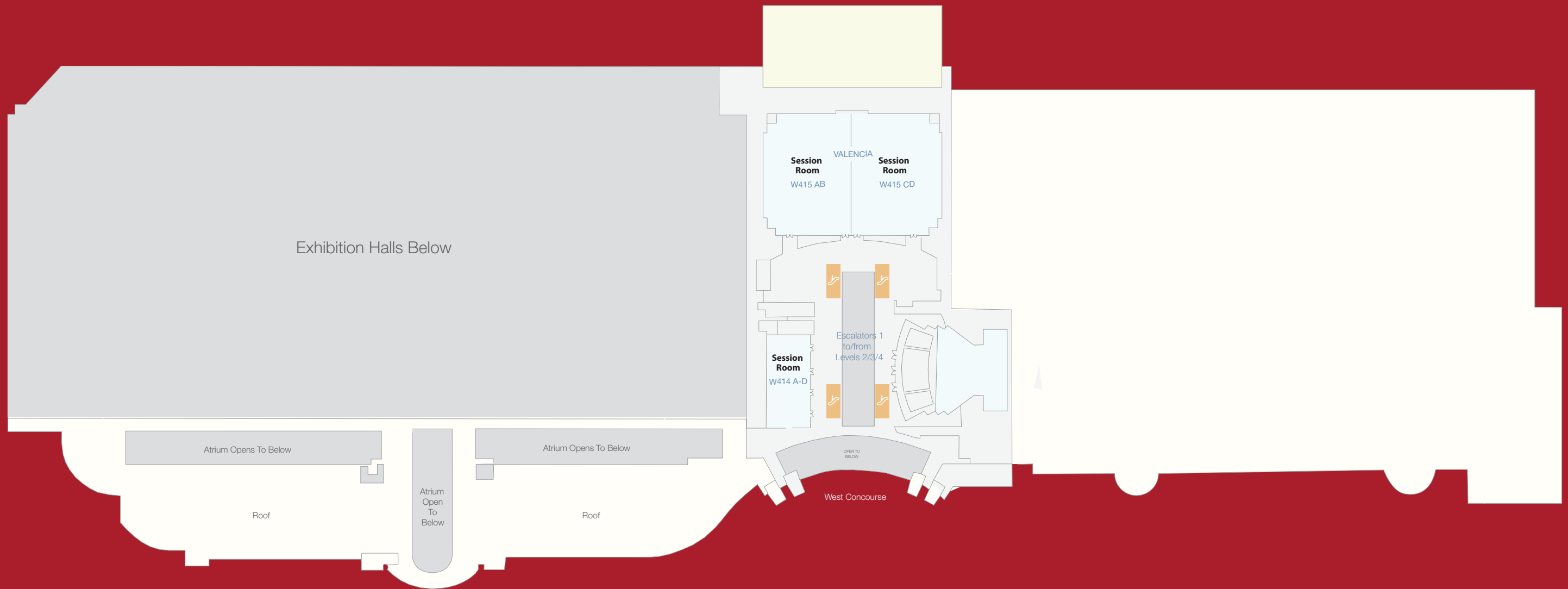
Orlando Convention Center West Concourse Level 3

LEVEL 3



Orlando Convention Center

West Concourse Level 4



	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics
10:30 a.m.–11:30 a.m.	KEYNOTE ADDRESS AND PANEL DISCUSSION Welcome to the 84th ADA Scientific Sessions —Keynote Address by Robert M. Califf, MD and Panel Discussion (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)			
11:30 a.m.–12:30 p.m.	PATHWAY SYMPOSIUM “Pathway to Stop Diabetes” (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)			
12:45 p.m.–1:45 p.m.	ORAL PRESENTATIONS AC-OR06-1 Multiorgan Cross Talk in Lipid Metabolism Room: W206 ORAL PRESENTATIONS AC-OR11-1 Metabolic Pathways to Protection—Innovative Approaches in Diabetes-Induced Kidney Disease Room: W207 ORAL PRESENTATIONS AC-OR13-1 Innovative Approaches in Diagnosing and Managing Diabetic Neuropathy (With ADA Presidents’ Select Abstract Presentation) (INCLUDES LIVESTREAM) Room: W307 ORAL PRESENTATIONS AC-OR15-1 Innovations in Diabetic Eye Care—Advancements, Therapeutic Strategies, and Disease Associations Room: W208	ORAL PRESENTATIONS BM-OR04-1 Exploring the Impact of Food/Food Additives on Insulin Sensitivity and Postprandial Glucose (With ADA Presidents’ Select Abstract Presentation) Room: W315 ORAL PRESENTATIONS BM-OR06-1 Tools for Health Care Professionals That Assist in Personalizing Care Room: W314 ORAL PRESENTATIONS BM-OR08-1 Back to the Basics (Sciences) of Exercise and Diabetes Room: W304 E-H	ORAL PRESENTATIONS CT-OR03-1 Practicable Methods to Improve Metabolic Parameters Room: W311 ORAL PRESENTATIONS CT-OR11-1 Diabetes Potpourri Room: W415C (Valencia Ballroom) ORAL PRESENTATIONS CT-OR16-1 New Technology—The Inpatient Setting (INCLUDES LIVESTREAM) Room: W414	DEBATE 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)
2:00 p.m.–3:30 p.m.	ORAL PRESENTATIONS AC-OR10-1.5 Emerging Molecular Mechanisms of ASCVD Progression in Cardiometabolic Disease (With Edwin Bierman Award Lecture) (INCLUDES LIVESTREAM) Room: W307	ORAL PRESENTATIONS BM-OR03-1.5 Exploring Dimensions of Diversity in Diabetes Distress (With Richard R. Rubin Award Lecture) (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)	ASK THE EXPERT CT-AE14-1.5 How Will Artificial Intelligence Change Diabetes Clinical Practice? (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater) ORAL PRESENTATIONS CT-OR01-1.5 Screening for and Delaying Vascular Complications Room: W315 ORAL PRESENTATIONS CT-OR04-1.5 Novel Insights from CGM Use during Pregnancy Room: W208 ORAL PRESENTATIONS CT-OR07-1.5 New Approaches to Prevent or Reverse Diabetes Room: W415C (Valencia Ballroom) ORAL PRESENTATIONS CT-OR13-1.5 New Technology—What’s New? (With ADA Presidents’ Select Abstract Presentation) Room: W311	ORAL PRESENTATIONS EG-OR01-1.5 Diabetes and the Liver—A Canary in the Coal Mine Room: W207

Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
KEYNOTE ADDRESS AND PANEL DISCUSSION Welcome to the 84th ADA Scientific Sessions —Keynote Address by Robert M. Califf, MD and Panel Discussion (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)				
PATHWAY SYMPOSIUM “Pathway to Stop Diabetes” (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)				
	ORAL PRESENTATIONS IA-OR05-1 Secreted Factors and Insulin Action Room: W304 A-D	ORAL PRESENTATIONS IP-OR06-1 New Frontier in Immunometabolism Room: W308	DEBATE IB-DB01-1 Setting the Record Straight—Does SARS-CoV-2 Cause Type 1 Diabetes? (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)	
ORAL PRESENTATIONS IBC-OR01-1.5 Immune Features of Immune Therapy and Evolution—Fickle or Fixed? Room: W304 A-D	ORAL PRESENTATIONS IA-OR01-1.5 Adipocyte Differentiation and Function Room: W308	ORAL PRESENTATIONS IP-OR01-1.5 Actions of Incretins in the Brain and Beyond (INCLUDES LIVESTREAM) Room: W414 ORAL PRESENTATIONS IP-OR05-1.5 Emerging New Players in Metabolic Regulation Room: W314	ORAL PRESENTATIONS IB-OR01-1.5 Fueling the Fire—Islet Stimulus—Secretion Coupling Room: W206	

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
3:45 p.m.–5:15 p.m.	<p>SYMPOSIUM AC-SY01-1.5 Systemic Medications for Diabetic Retinopathy—Protective and Risk Factors Room: W208</p> <p>SYMPOSIUM AC-SY07-1.5 Sex and Gender Dimorphism in Cardiovascular Disease Risk in Diabetes Room: W308</p> <p>SYMPOSIUM 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</p>	<p>SYMPOSIUM BM-SY05-1.5 Consensus or Controversy? Hot Topics in Nutrition 2024 Room: W314</p>	<p>CASE STUDIES CT-CS12-1.5 New Tools, Old Approaches—Rethinking Glucose Monitoring in Real-Life Settings Room: W311</p> <p>ORAL PRESENTATIONS CT-OR10-1.5 Beyond Glucose and Weight Reduction—Additional Effects of Incretin-Based Therapies Room: W415C (Valencia Ballroom)</p> <p>SYMPOSIUM CT-SY08-1.5 Important Safety Information—Off-Target Effects of New Therapies for Diabetes (INCLUDES LIVESTREAM) Room: W414</p> <p>SYMPOSIUM CT-SY33-1.5 Standards of Care 2024 Updates and Cost of Diabetes in United States Room: W315</p> <p>SYMPOSIUM 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)</p>	<p>SYMPOSIUM EG-SY02-1.5 United States Veterans and Diabetes—Not Gone and Not Forgotten Room: W207</p>	<p>SYMPOSIUM IBC-SY05-1.5 Joint ADA/IPITA Symposium—Clinical Beta-Cell Replacement Therapy Today (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	<p>SYMPOSIUM IA-SY03-1.5 The Second Act—Redefining the Signaling Mediators of Glucose Uptake in Muscle Room: W304 A-D</p>	<p>SYMPOSIUM IP-SY07-1.5 CNS Effects of GLP-1RA—Beyond Diabetes and Obesity Room: W304 E-H</p>	<p>SYMPOSIUM IB-SY02-1.5 Taking a Closer Look—Subcellular Approaches to Islet Biology Room: W206</p>	
5:30 p.m.–6:30 p.m.	<p>DEBATE AC-DB05-1 Sulfonylureas in Type 2 Diabetes Management—Should They Stay or Should They Go? (INCLUDES LIVESTREAM) Room: W307</p> <p>ORAL PRESENTATIONS AC-OR07-1 New Biomarkers to Inform Lipid Therapies in Diabetes (With ADA Presidents' Select Abstract Presentation) Room: W206</p> <p>ORAL PRESENTATIONS AC-OR14-1 Unraveling Molecular Signatures, Biomarkers, and Methods for Neuropathy, Cognitive Decline, and Foot Ulcers Room: W208</p>	<p>ORAL PRESENTATIONS BM-OR05-1 Medical Nutrition Therapy—Moving Beyond Traditional Outcome Measures Room: W314</p> <p>ORAL PRESENTATIONS BM-OR07-1 Innovative Diabetes Self-Management Education across Diverse Populations Room: W308</p>	<p>ORAL PRESENTATIONS CT-OR12-1 SGLT2 Inhibition Impact on Human Physiology Room: W415C (Valencia Ballroom)</p> <p>ORAL PRESENTATIONS CT-OR17-1 New Technology—Equity and Access Room: W315</p> <p>ORAL PRESENTATIONS CT-OR18-1 Pediatric Obesity and Type 2 Diabetes Room: W311</p> <p>SYMPOSIUM CT-SY35-1 Liver Health in Diabetes (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p>	<p>ORAL PRESENTATIONS EG-OR03-1 The New Frontier in Risk Profiling for Diabetes—Blood, Guts, and Glory Room: W207</p> <p>ORAL PRESENTATIONS EG-OR06-1 Type 1 Diabetes Genome, Epigenome, and CRISPR Screens (INCLUDES LIVESTREAM) Room: W414</p>	<p>ORAL PRESENTATIONS IBC-OR03-1 Immune and Adipose Tissue Intersection Room: W304 A-D</p>	<p>ORAL PRESENTATIONS IA-OR06-1 Clinical Efforts to Study the Pathogenesis of Insulin Resistance Room: W304 E-H</p>		<p>ORAL PRESENTATIONS IB-OR05-1 Islet Potpourri Oral Abstracts (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	
6:30 p.m.–8:30 p.m.	<p>American Diabetes Association Networking Reception Exhibit Hall (West A1-A3)</p>				<p>American Diabetes Association Networking Reception Exhibit Hall (West A1-A3)</p>				

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
8:00 a.m.–9:30 a.m.	<p>SYMPOSIUM AC-SY09-1.5 SELECT Trial—New Looks at Glycemia, Inflammation, and Heart Failure (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p> <p>SYMPOSIUM AC-SY12-1.5 Navigating the Spatial Landscape—Omics in Diabetic Kidney Disease Room: W208</p>	<p>SYMPOSIUM BM-SY13-1.5 Type 2 Diabetes and Exercise—Where Do We Stand? Room: W314</p> <p>SYMPOSIUM 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</p> <p>SYMPOSIUM BM-SY15-1.5 ADA Education Recognition Program (ERP)—Diversifying Diabetes Self-Management Education and Support (DSMES) Delivery Models Room: W304 A-D</p>	<p>PANEL CT-PN06-1.5 Newly-Diagnosed Type 2 Diabetes—What Should Be the Focus of Management in 2024? (INCLUDES LIVESTREAM) Room: W307</p> <p>PANEL CT-PN16-1.5 The Role of the Interdisciplinary Team in Technology Onboarding in Primary Care Room: W415C (Valencia Ballroom)</p> <p>SYMPOSIUM CT-SY23-1.5 Navigating the Early Phases of Pediatric Type 1 Diabetes Room: W315</p> <p>SYMPOSIUM CT-SY27-1.5 ADA Diabetes Care Symposium—The Final Frontier—Implementing the Learning from Implementation Science Room: W308</p> <p>SYMPOSIUM 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)</p>	<p>PANEL EG-PN05-1.5 Diabetes Genome-Wide Association Study—Why Keep Going? Room: W207</p>	<p>SYMPOSIUM IBC-SY06-1.5 Clinical Beta-Cell Replacement Therapy in the Near Future (INCLUDES LIVESTREAM) Room: W414</p>		<p>SYMPOSIUM IP-SY08-1.5 Obesity in United States Hispanic/Latino Populations—Challenges and Strategies Room: W304 E-H</p>	<p>SYMPOSIUM IB-SY05-1.5 The Good, The Bad, and The Ugly of Lipids in the Beta-Cell Microenvironment Room: W206</p>	
9:45 a.m.–11:15 a.m.	<p>ADA Chief Executive Officer Remarks; President, Health Care & Education Address; and Outstanding Educator in Diabetes Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>				<p>ADA Chief Executive Officer Remarks; President, Health Care & Education Address; and Outstanding Educator in Diabetes Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>				

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics
11:30 a.m.–12:30 p.m.	<p>PROFESSIONAL INTEREST GROUP AC-IG02-1 Discussion on Foot Care—Lower Extremity Complications Room: W206</p> <hr/> <p>EPOSTER THEATER ePoster01 (*) Diabetic Kidney Disease—From Genetic Pathways to Social Determinants Room: Exhibit Hall (West A1-A3) ePoster Theater A</p>	<p>PROFESSIONAL INTEREST GROUP BM-IG02-1 Discussion on Exercise Physiology—Syncing Up—Exploring the Interplay of Circadian Rhythms and Exercise Room: W304 A-D</p> <hr/> <p>PROFESSIONAL INTEREST GROUP BM-IG04-1 Discussion on Nutritional Sciences and Metabolism—The Science of Ultraprocessed Foods and Impacts on Metabolic Diseases Room: W304 E-H</p> <hr/> <p>PROFESSIONAL INTEREST GROUP 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</p>	<p>PROFESSIONAL INTEREST GROUP CT-IG03-1 Discussion on Diabetes in Youth—Perspectives on Universal Antibody Screening Room: W207</p> <hr/> <p>PROFESSIONAL INTEREST GROUP CT-IG05-1 Discussion on Pregnancy and Reproductive Health—Should Continuous Glucose Monitoring Be Used in Pregnancy Complicated by Gestational Diabetes? Room: W208</p>	<p>EPOSTER THEATER ePoster02 (*) Diabetes and CVD—Heartbreak in Motion Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>
12:30 p.m.–1:30 p.m.	Session Break (Take this opportunity to visit the Exhibit and Poster Halls)			
			<p>EPOSTER THEATER 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</p> <hr/> <p>EPOSTER THEATER ePoster04 (*) Pediatric Research Update—Type 1 Diabetes, Type 2 Diabetes, Obesity Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>	

Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
			<p>PROFESSIONAL INTEREST GROUP IB-IG01-1 Discussion on Islet Biology, Development, and Function—Right on Target—Strategies to Selectively Regenerate and Protect Beta Cells Room: W311</p>	<p>PROFESSIONAL DEVELOPMENT PD-01-1 Creating Talks That Are Talked About—How to Bring Memorability to Your Presentation(s) (INCLUDES LIVESTREAM) Room: W307</p>
Session Break (Take this opportunity to visit the Exhibit and Poster Halls)				

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

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
1:30 p.m.–3:00 p.m.	<p>ORAL PRESENTATIONS AC-OR02-1.5 Cell and Molecular Approaches to Diabetes-Related Foot Complications (With Roger Pecoraro Award Lecture) (INCLUDES LIVESTREAM) Room: W307</p> <hr/> <p>ORAL PRESENTATIONS AC-OR03-1.5 Hypoglycemia in the Real World—Who’s Really at Risk? Room: W208</p> <hr/> <p>ORAL PRESENTATIONS AC-OR08-1.5 Clinical Biomarkers of ASCVD Risk Progression in Diabetes Mellitus and Metabolic Disease Room: W308</p> <hr/> <p>EPOSTER THEATER ePoster06 (* From Macrovascular to Microvascular Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>	<p>ORAL PRESENTATIONS BM-OR01-1.5 Social Drivers of Health and Advancement towards Social Justice Room: W314</p>	<p>DEBATE CT-DB15-1.5 Innovation or Access in Diabetes Technology—What Should Be Our Global Priority? Room: W415C (Valencia Ballroom)</p> <hr/> <p>ORAL PRESENTATIONS CT-OR02-1.5 Using Teams and Technology to Improve Outcomes Room: W315</p> <hr/> <p>ORAL PRESENTATIONS CT-OR05-1.5 Novel Insights into Pathophysiology, Diagnosis, and Outcomes in GDM Room: W311</p> <hr/> <p>SYMPOSIUM 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)</p> <hr/> <p>EPOSTER THEATER ePoster05 (* Learning Across Diabetes Room: Exhibit Hall (West A1-A3) ePoster Theater A</p>	<p>ORAL PRESENTATIONS EG-OR02-1.5 The Safety Net Unraveled—Social and Geographical Factors in Diabetes Disparities Room: W206</p> <hr/> <p>ORAL PRESENTATIONS EG-OR04-1.5 Type 2 Diabetes and Related Trait GWAS Variant Effects through Omics Profiles (With ADA Presidents’ Select Abstract Presentation) Room: W207</p>	<p>ORAL PRESENTATIONS IBC-OR05-1.5 The “Barrier Reef”—Overcoming Hurdles to Beta-Cell Replacement Therapies Room: W304 A-D</p>	<p>ORAL PRESENTATIONS IA-OR02-1.5 Novel Regulators of Insulin Action and Insulin Sensitivity (INCLUDES LIVESTREAM) Room: W414</p>		<p>SYMPOSIUM IB-SY03-1.5 Channeling Mechanisms Underlying Islet Function and Dysfunction (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	

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	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
3:15 p.m.– 4:15 p.m.	<p>PANEL AC-PN03-1 From the Cutting Room Floor—Semi-live Surgery for Healing Diabetic Foot Ulcers for the Referring Practitioner Room: W206</p> <p>PANEL AC-PN08-1 Beyond Statins—Treating and Evaluating Residual Atherosclerotic Cardiovascular Disease Risk Room: W207</p> <p>SYMPOSIUM AC-SY02-1 Diabetic Retinopathy Care and Screening—Is Artificial Intelligence Changing the Future? Room: W208</p> <p>SYMPOSIUM AC-SY14-1 The Many Faces of Kidney Disease in Diabetes—Not All Are Diabetic Nephropathy (INCLUDES LIVESTREAM) Room: W307</p> <p>SYMPOSIUM AC-SY16-1 Updates in Autonomic Neuropathy Room: W308</p>	<p>SYMPOSIUM BM-SY06-1 Optimizing Outcomes of GLP-1+/GIP Receptor Agonists—How to Help Patients Succeed Room: W315</p> <p>SYMPOSIUM BM-SY18-1 International Consensus Statement and Movement to End Diabetes Stigma Room: W311</p>	<p>DEBATE 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</p> <p>PANEL CT-PN11-1 GLP-1 +/- GIP Receptor Agonists in the Perioperative Setting—To Stop or Not to Stop? Room: W415C (Valencia Ballroom)</p> <p>PANEL CT-PN19-1 Health Care Policy and Diabetes—How to Improve Population Health from Multiple Perspectives (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p> <p>SYMPOSIUM CT-SY13-1 How I Feel Matters, Too—The Psychosocial Aspects of Automated Insulin Delivery (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p> <p>SYMPOSIUM CT-SY34-1 Hyperglycemic Crises in Diabetes Room: W314</p>			<p>DEBATE 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</p>	<p>SYMPOSIUM IP-SY06-1 Intermittent Fasting in Various Forms of Diabetes Care (INCLUDES LIVESTREAM) Room: W414</p>		
4:30 p.m.– 6:00 p.m.		<p>SYMPOSIUM BM-SY01-1.5 The Evolution of Diabetes Behavioral Care (INCLUDES LIVESTREAM) Room: W307</p>	<p>MAIN EVENT CT-ME40-1.5 Innovation Challenge (INCLUDES LIVESTREAM) Note: Continuing Education Credit Is Not Awarded for this Session Room: West Hall B3-4 (General Session)</p> <p>ORAL PRESENTATIONS CT-OR09-1.5 Leveling Up Incretin-Based Therapy in Type 2 Diabetes Room: W415C (Valencia Ballroom)</p> <p>SYMPOSIUM CT-SY09-1.5 Diabetes and the Lung—Cause and Consequence (INCLUDES LIVESTREAM) Room: W414</p> <p>SYMPOSIUM CT-SY29-1.5 Heterogeneity of Diabetes—Pathophysiology to Global Considerations (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p>			<p>PANEL IA-PN02-1.5 Technical Challenges and Solutions in Metabolomics (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	<p>ORAL PRESENTATIONS IP-OR08-1.5 Towards Targeted Weight-Loss Therapy—New Considerations for GLP-1RA or Surgery Room: W304 A-D</p>		

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8:00 a.m.–9:30 a.m.	<p>PANEL AC-PN10-1.5 A Multidisciplinary Approach—Challenging Cases from the Cardiometabolic Clinic (INCLUDES LIVESTREAM) Room: W307</p> <p>SYMPOSIUM AC-SY13-1.5 The Changing Climate of Diabetic Kidney Disease—Environmental Triggers and Vulnerabilities Room: W206</p>	<p>SYMPOSIUM BM-SY02-1.5 Loneliness Is a Real Heartbreaker (INCLUDES LIVESTREAM) Room: W414</p>	<p>PANEL CT-PN10-1.5 Noninsulin Treatment for Type 1 Diabetes Room: W311</p> <p>SYMPOSIUM CT-SY01-1.5 Metformin Reexamined—Pleiotropic Effects in Mother and Offspring in Humans and Animal Models Room: W315</p> <p>SYMPOSIUM CT-SY24-1.5 Joint ADA/ISPAD Symposium—Pediatric Diabetes Insights and Innovations Room: W415C (Valencia Ballroom)</p> <p>SYMPOSIUM 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</p> <p>SYMPOSIUM CT-SY44-1.5 Diabetes and Organ Transplantation—Pathophysiology, Inpatient and Outpatient Management Room: W208</p>	<p>PANEL EG-PN04-1.5 When a Box Isn't a Box—Research Frameworks for Understanding and Addressing Disparities in Type 2 Diabetes Room: W207</p>	<p>SYMPOSIUM IBC-SY04-1.5 Translating Type 1 Diabetes Risk Alleles to Therapy Room: W304 A-D</p>	<p>SYMPOSIUM IA-SY04-1.5 Metabolite Transport and Molecular Metabolism Room: W304 E-H</p>	<p>SYMPOSIUM IP-SY11-1.5 Severe GLP-1RA Side Effects in Obesity Treatment—Fact or Fiction? (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p> <p>SYMPOSIUM IP-SY12-1.5 ADA Diabetes Journal Symposium—It Is All in Your Head—Central Nervous System Control of Systemic Metabolism Room: W308</p>			
9:45 a.m.–11:15 a.m.	<p>President, Medicine & Science Address and National Scientific & Health Care Achievement Awards Presentation (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>				<p>President, Medicine & Science Address and National Scientific & Health Care Achievement Awards Presentation (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>					

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics
11:30 a.m.–12:30 p.m.	<p>PROFESSIONAL INTEREST GROUP AC-IG01-1 Discussion on Diabetes and Cardiovascular Disease—Obesity and Diabetes—Innovative Research to Inform Clinical Practice Room: W206</p> <p>PROFESSIONAL INTEREST GROUP AC-IG03-1 Discussion on Eye Health—Novel Diabetes Therapies in Diabetic Retinopathy—A Basic Science and Preclinical Perspective Room: W207</p>	<p>PROFESSIONAL INTEREST GROUP BM-IG01-1 Discussion on Behavioral Medicine and Psychology—Including the Excluded in Behavioral Diabetes Research Room: W208</p> <p>PROFESSIONAL INTEREST GROUP 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</p>	<p>PROFESSIONAL INTEREST GROUP CT-IG02-1 Discussion on Diabetes in Primary Care—Tackling Diabetes in Primary Care—Training and Workforce Development Room: W304 A-D</p> <p>PROFESSIONAL INTEREST GROUP 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</p> <p>WORKSHOP CT-WS37-1 Improving Care for Deaf People with Diabetes Who Use ASL Interpreters—A Hands-On Workshop Room: W311</p> <p>EPOSTER THEATER ePoster07 (* Improving Efficacy and Safety of Incretin-Based Therapies Room: Exhibit Hall (West A1-A3) ePoster Theater A</p>	

12:30 p.m.–1:30 p.m. **Session Break** (Take this opportunity to visit the Exhibit and Poster Halls)

	<p>EPOSTER THEATER ePoster10 (* New Progress in Clinical Screening and Interventions for ASCVD Risk Mitigation in Metabolic Disease Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>	<p>EPOSTER THEATER 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</p>		
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Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
			<p>EPOSTER THEATER ePoster08 (* Islet Biology Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>	<p>PROFESSIONAL DEVELOPMENT PD-02-1 Art of Writing a Winning Grant (INCLUDES LIVESTREAM) Room: W307</p>

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

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

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
1:30 p.m.–3:00 p.m.	<p>ORAL PRESENTATIONS AC-OR04-1.5 Continuous Glucose Monitoring—Can It Reduce Hypoglycemia Burden? Room: W307</p> <p>ORAL PRESENTATIONS AC-OR09-1.5 Emerging Small Molecule Biomarkers of ASCVD Risk in Metabolic Disease Room: W208</p>	<p>DEBATE BM-DB07-1.5 The Role of Artificial Intelligence in Transforming Nutrition and Diabetes Care—Ready for Prime Time or Not Quite? Room: W311</p> <p>ORAL PRESENTATIONS BM-OR02-1.5 Multifaceted Insights into Behavioral and Psychosocial Care for Youth and Families Room: W314</p>	<p>ORAL PRESENTATIONS 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)</p> <p>ORAL PRESENTATIONS CT-OR08-1.5 Weighing Opportunities of Incretin-Based Therapy in Obesity (With ADA Presidents' Select Abstract Presentation) Room: W415C (Valencia Ballroom)</p> <p>ORAL PRESENTATIONS CT-OR14-1.5 New Technology—AID Focus Room: W315</p> <p>SYMPOSIUM CT-SY32-1.5 Global Burden of Cardiovascular Disease in People with Diabetes (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p> <p>EPOSTER THEATER ePoster11 (* Type 2 Diabetes—Prevention, Treatment, and Technology) Room: Exhibit Hall (West A1-A3) ePoster Theater A</p>	<p>ORAL PRESENTATIONS EG-OR05-1.5 Common and Rare Genetic Variant Associations and MolecularQTL Scans in Type 2 Diabetes Tissues Room: W207</p> <p>EPOSTER THEATER ePoster12 (* Growing Older with Diabetes) Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>		<p>ORAL PRESENTATIONS IA-OR03-1.5 Metabolic Control of Insulin Action and Secretion (INCLUDES LIVESTREAM) Room: W414</p>	<p>ORAL PRESENTATIONS IP-OR02-1.5 Research Advances in Metabolic Liver Disease Room: W308</p> <p>ORAL PRESENTATIONS IP-OR04-1.5 New Insights into Therapeutic Strategies for Obesity and Diabetes Room: W304 E-H</p> <p>ORAL PRESENTATIONS IP-OR07-1.5 Novel Modulators of Adipose Tissue Function and Adiposity Room: W304 A-D</p>	<p>ORAL PRESENTATIONS IB-OR02-1.5 Islet Signal Transduction Room: W206</p>	
3:15 p.m.–4:15 p.m.	<p>ORAL PRESENTATIONS AC-OR01-1 Lower Extremity Complications with Systemic Effects Room: W206</p> <p>ORAL PRESENTATIONS AC-OR05-1 Physiologic Responses to Hypoglycemia—New Insights Room: W207</p> <p>ORAL PRESENTATIONS AC-OR12-1 Diabetic Kidney Disease (INCLUDES LIVESTREAM) Room: W307</p> <p>ORAL PRESENTATIONS AC-OR16-1 Insights into Diabetic Retinopathy—From Molecular Characterization to Therapeutic Considerations Room: W208</p>	<p>ORAL PRESENTATIONS BM-OR09-1 Clinical Contributions in Type 1 Diabetes and Exercise Room: W314</p> <p>PANEL BM-PN10-1 Educating Clinicians in the Latest Inpatient Management Strategies from Both Sides of the Pond Room: W311</p> <p>SYMPOSIUM BM-SY16-1 The Future of Diabetes Nutrition Interventions—Innovation in Practice (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	<p>ORAL PRESENTATIONS CT-OR19-1 New Insights and Treatments in Management of Youth with Type 1 Diabetes Mellitus Room: W315</p>	<p>3:15PM-4:00PM EG-KWL-1 Kelly West Award for Outstanding Achievement in Epidemiology Lecture (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p>	<p>ORAL PRESENTATIONS IBC-OR06-1 Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy Room: W304 A-D</p>		<p>ORAL PRESENTATIONS IP-OR03-1 Novel Pathways in Metabolic Regulation Room: W304 E-H</p> <p>ORAL PRESENTATIONS IP-OR09-1 Risk Factors Reimagined—Beyond Obesity in Metabolic Risk Room: W308</p>	<p>ORAL PRESENTATIONS IB-OR04-1 Endgame—Oral Abstracts on Beta-Cell Apoptosis (With ADA Presidents' Select Abstract Presentation) (INCLUDES LIVESTREAM) Room: W414</p>	

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

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
4:30 p.m.–6:00 p.m.	<p>PANEL AC-PN04-1.5 Diabetic Foot Disparities—Treatment With and Without a Multidisciplinary Team Room: W208</p>	<p>SYMPOSIUM BM-SY03-1.5 Survey Says—Psychosocial Screening Tools and Their Psychometric Properties for Youth and Adults with Diabetes Room: W314</p> <p>SYMPOSIUM BM-SY12-1.5 Mind the Gap—Health Benefits of Exercise in Women With or at Risk for Diabetes (INCLUDES LIVESTREAM) Room: W307</p>	<p>DEBATE CT-DB05-1.5 Keeping Up with Hollywood—Who Should Be Prioritized for New Antiobesity Medications? Room: W308</p> <p>PANEL CT-PN17-1.5 Prioritizing Diversity in Clinical Trials Room: W315</p> <p>SYMPOSIUM 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)</p> <p>SYMPOSIUM CT-SY31-1.5 Multiple Faces of Therapeutic Inertia in Diabetes Room: W311</p> <p>SYMPOSIUM CT-SY38-1.5 Joint ADA/PAHO Symposium—Latin America and the Caribbean Regional Approach to Prevent and Control Diabetes Room: W304 E-H</p> <p>SYMPOSIUM CT-SY42-1.5 THE STEP-HFpEF and STEP-HFpEF-DM Trials—Targeting Obesity to Treat Heart Failure (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p>	<p>SYMPOSIUM EG-SY03-1.5 Big P, Little P—Diabetes Policies for Public Health Room: W207</p>	<p>SYMPOSIUM IBC-SY07-1.5 Long-Term Goals and Challenges for Beta-Cell Replacement Therapy (INCLUDES LIVESTREAM) Room: W414</p>	<p>SYMPOSIUM IA-SY05-1.5 Lipid Regulation of Mitochondrial Metabolism Room: W304 A-D</p>	<p>SYMPOSIUM IP-SY02-1.5 Weight-Reducing Mechanisms of GLP-1-Based Therapies—New Insights from Animal Studies (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	<p>ORAL PRESENTATIONS IB-OR03-1.5 Beta-Cell Blueprints—Oral Abstracts on Islet Development and Postnatal Growth Room: W206</p>	

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
8:00 a.m.–9:30 a.m.	<p>SYMPOSIUM AC-SY15-1.5 A Means to an Endpoint—Establishing Meaningful Outcomes in Clinical Neuropathy Trials Room: W206</p>	<p>SYMPOSIUM BM-SY08-1.5 Innovative Programs That Take on the Challenge of Hard-to-Reach Populations (INCLUDES LIVESTREAM) Room: W415B (Valencia Ballroom)</p>	<p>ORAL PRESENTATIONS CT-OR15-1.5 New Technology—Continuous Glucose Monitoring Room: W314</p> <hr/> <p>SYMPOSIUM 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</p> <hr/> <p>SYMPOSIUM CT-SY21-1.5 Cost and Quality—Improving Diabetes Care and the Cost of Ongoing Inequities Room: W311</p> <hr/> <p>SYMPOSIUM CT-SY22-1.5 Towards Innovative and Equitable Care in Youth-Onset Type 2 Diabetes Room: W315</p> <hr/> <p>SYMPOSIUM CT-SY39-1.5 ADA Symposium—Major Advances and Discoveries in Diabetes—The Year in Review (INCLUDES LIVESTREAM) Room: W415C (Valencia Ballroom)</p> <hr/> <p>SYMPOSIUM CT-SY50-1.5 Consensus Monitoring Guidance in Early-Stage Type 1 Diabetes (INCLUDES LIVESTREAM) Room: W320 (Chapin Theater)</p>	<p>SYMPOSIUM EG-SY07-1.5 Omics to Understand Genome-Wide Association Study—What’s the Mechanism? Room: W207</p>	<p>SYMPOSIUM IBC-SY01-1.5 Cross Talk between Beta Cells and Immune Cells Room: W304 A-D</p>	<p>SYMPOSIUM IA-SY06-1.5 Molecular Integration of Amino Acid and Fat Metabolism in Health and Metabolic Disease Room: W304 E-H</p>	<p>SYMPOSIUM IP-SY03-1.5 Metabolism and Aging-Related Diseases Room: W308</p> <hr/> <p>SYMPOSIUM IP-SY04-1.5 Beyond the Scale—Exploring Causes and Consequences of Weight Fluctuation (INCLUDES LIVESTREAM) Room: W307</p>		
9:45 a.m.–11:15 a.m.	<p>Outstanding Scientific Achievement Award Lecture and Banting Medal for Scientific Achievement Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>				<p>Outstanding Scientific Achievement Award Lecture and Banting Medal for Scientific Achievement Award Lecture (INCLUDES LIVESTREAM) West Hall B3-4 (General Session)</p>				
11:30 a.m.–12:30 p.m.		<p>EPOSTER THEATER ePoster13 (*) Tailoring Diabetes Self-Management Education to Improve Success Room: Exhibit Hall (West A1-A3) ePoster Theater A</p>	<p>PROFESSIONAL INTEREST GROUP CT-IG01-1 Discussion on Diabetes Technology—Enhancing Clinic Efficiency through the Integration of Diabetes Technologies Room: W304 A-D</p> <hr/> <p>PROFESSIONAL INTEREST GROUP CT-IG04-1 Discussion on Health Care Delivery and Quality Improvement Room: W304 E-H</p>	<p>PROFESSIONAL INTEREST GROUP 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</p>	<p>PROFESSIONAL INTEREST GROUP IBC-IG01-1 Discussion on Immunology/Beta-Cell Replacement—Beta-Cell Stressors, Autoantigen Targets, and How This Provokes Immune Attack Room: W206</p>		<p>EPOSTER THEATER ePoster14 (*) Research Advances in Metabolic Regulation Room: Exhibit Hall (West A1-A3) ePoster Theater B</p>		<p>PROFESSIONAL DEVELOPMENT PD-03-1 Negotiations (INCLUDES LIVESTREAM) Room: W307</p>

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

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics
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: W207	SYMPOSIUM BM-SY09-1.5 How Diabetes Technology Is Changing Diabetes Care in the Real World Room: W311	SYMPOSIUM CT-SY07-1.5 Impact of Precision Medicine on Diabetes Room: W314	
		SYMPOSIUM BM-SY17-1.5 Nutrition and Diabetes Self-Management Education and Support (DSMES) Room: W415C (Valencia Ballroom)	SYMPOSIUM CT-SY20-1.5 Just Do It—Incorporating What We Know into What We Do Room: W315	
			SYMPOSIUM 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)	
			SYMPOSIUM CT-SY28-1.5 Lancet Journal Symposium—Time for a Paradigm Shift? Should We Treat Early Gestational Diabetes Mellitus? Room: W304 E-H	
			SYMPOSIUM 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)	

Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
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	
PANEL IBC-PN03-1.5 Modulating Cytokines—Mechanisms Underlying Type 1 Diabetes Treatment (INCLUDES LIVESTREAM) Room: W414	ORAL PRESENTATIONS IA-OR04-1.5 Revving Up the Adipose to Impact Insulin Sensitivity and Glucose Homeostasis Room: W304 A-D	SYMPOSIUM IP-SY05-1.5 Mitochondria as a Therapeutic Target for Diabetes Room: W308	PANEL IB-PN04-1.5 Are We Using the Right Tools to Establish Causality in Islet Function and Dysfunction? Room: W206	
		SYMPOSIUM IP-SY10-1.5 Food Noise Explained—Satiety Responsiveness and Motivation Processing in the Brain (INCLUDES LIVESTREAM) Room: W307		

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

	Acute and Chronic Complications	Behavioral Medicine, Clinical Nutrition, Education, and Exercise	Clinical Diabetes/ Therapeutics	Epidemiology/ Genetics	Immunology/ Beta-Cell Replacement	Insulin Action/ Molecular Metabolism	Obesity/Integrated Physiology	Islet Biology/ Insulin Secretion	Professional Development
<p>3:15 p.m.–4:15 p.m.</p>	<p>SYMPOSIUM AC-SY11-1 Cardiovascular Disease Risk Prediction in Obesity and Type 2 Diabetes—Emerging Tools for the Clinician Room: W206</p>	<p>ASK THE EXPERT BM-AE04-1 The Highs and Lows of Cannabis Use in Diabetes—Behavioral and Psychosocial Considerations Room: W314</p> <p>PANEL BM-PN11-1 Are We Close to Closing the Loop? Automated Insulin Delivery during Exercise Room: W415C (Valencia Ballroom)</p>	<p>DEBATE CT-DB04-1 Early Abnormal Glucose Metabolism in Pregnancy—To Treat or Not to Treat Room: W311</p> <p>SYMPOSIUM CT-SY25-1 Improving Culture of Quality in Pediatric Centers—Lessons from the Type 1 Diabetes Exchange Quality Improvement Collaborative Room: W315</p> <p>SYMPOSIUM 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)</p> <p>SYMPOSIUM 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</p> <p>SYMPOSIUM CT-SY48-1 Prevalence of Hypercortisolism in Difficult-to-control Type 2 Diabetes Room: W415B (Valencia Ballroom)</p>	<p>SYMPOSIUM EG-SY06-1 Diabetes Genetic Convergence—Shared Networks of Rare and Common Variants Room: W207</p>	<p>DEBATE IBC-DB02-1 Do Immune or Beta Cells Drive Transition from Stage 1 to Stage 3 Type 1 Diabetes? Room: W304 A-D</p> <p>SYMPOSIUM IBC-SY08-1 The Future of Diabetes Care as Cell Replacement or Regeneration Therapies (INCLUDES LIVESTREAM) Room: W307</p>		<p>PANEL IP-PN01-1 Leptin, 30 Years Later Room: W304 E-H</p> <p>PANEL IP-PN09-1 Ripple Effects after the Advent of Highly Effective Antiobesity Pharmacotherapy—Pharmacoequity in the United States Room: W308</p>		



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

FRIDAY, JUNE 21, 2024

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*

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR11-1

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

Room: W207

Chair: Kalie L. Tommerdahl, MD

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR16-1

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

Room: W414

Chair: Jayachidambaram Ambalavanan, MD

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Ask the Expert

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-AE14-1.5

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

Room: W320 (Chapin Theater)

Chair: Edward C. Chao, DO

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

Boris Kovatchev, PhD

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

Peter G. Jacobs, PhD

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

Mudassir M. Rashid, PhD

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR01-1.5

Screening for and Delaying Vascular Complications

Room: W315

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

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR07-1.5

New Approaches to Prevent or Reverse Diabetes

Room: W415C (Valencia Ballroom)

Chair: Catherine Kim, MD, MPH

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

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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, FRCPath, PhD

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

Andrew J. Barkmeier, MD

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

Alicia Jenkins, MBBS, MD, FRACP, FRCP

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

Satish K. Garg, MD

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

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY07-1.5

Sex and Gender Dimorphism in Cardiovascular Disease Risk in Diabetes

Room: W308

Chair: Wendy L. Bennett, MD, MPH

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

Martha Gulati, MD

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

Ernst J. Schaefer, MD

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

Karen Reue, PhD

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

John M. Stafford, MD, PhD

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

FRIDAY, JUNE 21, 2024

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*

FRIDAY, JUNE 21, 2024

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

Case Studies

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-CS12-1.5

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

Room: W311

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

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

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

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

Christine March, MD, MS

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

Jamie R. Wood, MD

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

Medha Munshi, MD

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY08-1.5

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

Room: W414

Chair: Steve Nissen, MD

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

Tina Vilsbøll, MD, DMSc

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

Ronald M. Goldenberg, MD, FRCPC, FACE

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

Anne L. Peters, MD

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

Liana K. Billings, MD, MMSc

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

FRIDAY, JUNE 21, 2024

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY33-1.5

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

Room: W315

Chair: Nuha El Sayed, MD, MMSc

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

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

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

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

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY49-1.5

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

Room: W320 (Chapin Theater)

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

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

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

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

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

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

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

FRIDAY, JUNE 21, 2024

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*

FRIDAY, JUNE 21, 2024

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

Symposium

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-SY03-1.5

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

Room: W304 A-D

Chair: Paul M. Titchenell, PhD

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

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY07-1.5

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

Room: W304 E-H

Chair: Janice J. Hwang, MD

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

Symposium

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-SY02-1.5

Taking a Closer Look—Subcellular Approaches to Islet Biology

Room: W206

Chair: Rafael Arrojo e Drigo, PhD

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

FRIDAY, JUNE 21, 2024

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*

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR14-1

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

Room: W208

Chair: Rayaz A. Malik, MD, PhD

FRIDAY, JUNE 21, 2024

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

Oral Presentations

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

Session Number: BM-OR05-1

Medical Nutrition Therapy—Moving Beyond Traditional Outcome Measures

Room: W314

Chair: Gretchen Benson, RDN, CDCES

FRIDAY, JUNE 21, 2024

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR18-1

Pediatric Obesity and Type 2 Diabetes

Room: W311

Chair: Fida Bacha, MD, FAAP

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

FRIDAY, JUNE 21, 2024

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

Oral Presentations

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-OR05-1

Islet Potpourri Oral Abstracts *(Includes Livestream)*

Room: W415B (Valencia Ballroom)

Chair: Barak Blum, PhD

84th SCIENTIFIC SESSIONS PROGRAM

FRIDAY, JUNE 21, 2024

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

American Diabetes Association Networking Reception

Exhibit Hall (West A1-A3)

SATURDAY, JUNE 22, 2024

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

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY09-1.5

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

Room: W415B (Valencia Ballroom)

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

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

Donna H. Ryan, MD

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

Steven E. Kahn, MB, ChB

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

Ildiko Lingvay, MD, MPH, MSCS

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

Jorge Plutzky, MD

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

Shivani Misra, MD, PhD

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY12-1.5

Navigating the Spatial Landscape—Omics in Diabetic Kidney Disease

Room: W208

Chair: Jennifer A. Schaub, MD

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

Parker C. Wilson, MD, PhD

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

Kumar Sharma, MD

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

Victor Puelles, MD, PhD

Symposium

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

Session Number: BM-SY13-1.5

Type 2 Diabetes and Exercise—Where Do We Stand?

Room: W314

Chair: Judith G. Regensteiner, PhD

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

Samuel Klein, MD

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

Melissa Erickson, PhD

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

Ronald J. Sigal, MD, MPH, FRCPC

SATURDAY, JUNE 22, 2024

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

Session Type: Symposium

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

Session Number: BM-SY14-1.5

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

Room: W311

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

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

Symposium

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

Session Number: BM-SY15-1.5

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

Room: W304 A-D

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

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

SATURDAY, JUNE 22, 2024

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

Panel

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-PN06-1.5

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

(Includes Livestream)

Room: W307

Chair: Ravi Retnakaran, MD, FRCPC

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

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

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

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

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

Panel

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-PN16-1.5

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

Room: W415C (Valencia Ballroom)

Chair: Richard M. Bergenstal, MD

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

 Eden Miller, DO

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

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

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

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

SATURDAY, JUNE 22, 2024

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*

SATURDAY, JUNE 22, 2024

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

Session Number: IP-SY08-1.5

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

Room: W304 E-H

Chair: Rodolfo J. Galindo, MD

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

Symposium*Theme Area: Clinical Diabetes/Therapeutics*

Session Number: CT-SY45-1.5

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

Room: W320 (Chapin Theater)

Chair: Roy W. Beck, MD, PhD

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

SATURDAY, JUNE 22, 2024

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

Symposium

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-SY05-1.5

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

Room: W206

Chair: Marc Prentki, PhD

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

Victor García-González, PhD

8:30 a.m.-9:00 a.m. *Glucose Metabolism Primes Lipogenesis in the 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

SATURDAY, JUNE 22, 2024

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*

SATURDAY, JUNE 22, 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-IG02-1

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

Room: W304 A-D

Chair: Melissa Erickson, PhD

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

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

Juleen R. Zierath, PhD

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

Jingyi Qian, PhD

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

Roeland J.W. Middelbeek, MD, MSc

Professional Interest Group

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

Session Number: BM-IG04-1

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

Room: W304 E-H

Chair: Raneer Chatterjee Montgomery, MD, MPH

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

11:35 a.m.-11:55 a.m. *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. Primary Speaker: TBD

12:15 p.m.-12:30 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*

SATURDAY, JUNE 22, 2024

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

Professional Interest Group

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-IG01-1

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

Room: W311

Chair: Jeffrey S. Tessem, PhD

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

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

Dax Fu, PhD

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

Nikki L. Farnsworth, PhD

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

Wen-Hong Li, PhD

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

Professional Development

Theme Area: Professional Development

Session Number: PD-01-1

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

Room: W307

Chair: Nicole Johnson, DrPH, MPH, MA

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

Kari Goetz, BFA, MA

SATURDAY, JUNE 22, 2024

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

ePoster Theater

Theme Area: Acute and Chronic Complications

Session Number: ePoster01

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

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

Moderator: Laura Pyle, PhD

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

SATURDAY, JUNE 22, 2024

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, FACCPC
Benjamin M. Bluml, RPh

SATURDAY, JUNE 22, 2024

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

Symposium

Theme Area: Islet Biology/Insulin Secretion

Session Number: IB-SY03-1.5

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

Room: W415B (Valencia Ballroom)

Chair: Show-Ling Shyng, PhD

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

SATURDAY, JUNE 22, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR02-1.5

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

Room: W307

Chair: Tyler Lawrence Coye, DPM

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

Roger Pecoraro Award Lecture

Roger Pecoraro Award Lecture 2024

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

SATURDAY, JUNE 22, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR03-1.5

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

Room: W208

Chair: Michael Bancks, PhD, MPH

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

SATURDAY, JUNE 22, 2024

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

SATURDAY, JUNE 22, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR02-1.5

Using Teams and Technology to Improve Outcomes

Room: W315

Chair: Peter Rossing, MD, DMSc

SATURDAY, JUNE 22, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR05-1.5

Novel Insights into Pathophysiology, Diagnosis, and Outcomes in GDM

Room: W311

Chair: Mary R. Loeken, PhD, MS

SATURDAY, JUNE 22, 2024

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

SATURDAY, JUNE 22, 2024

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

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR04-1.5

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

Room: W207

Chair: Adelaide Tovar, PhD

SATURDAY, JUNE 22, 2024

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

SATURDAY, JUNE 22, 2024

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

SATURDAY, JUNE 22, 2024

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

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY14-1

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

Room: W307

Chair: Ashish Verma, MB, BS

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

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

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

Jeffrey B. Hodgins, 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

SATURDAY, JUNE 22, 2024

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

Symposium

Theme Area: Obesity/Integrated Physiology

Session Number: IP-SY06-1

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

Room: W414

Chair: Kelsey Gabel, RD, MS, PhD

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

Lisa S. Chow, MD, MS

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

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

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

Sofia Cienfuegos, PhD, MS

Symposium

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

Session Number: BM-SY18-1

International Consensus Statement and Movement to End Diabetes Stigma

Room: W311

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

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

Matthew Garza, Bachelor's Degree

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

Mary de Groot, PhD

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

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

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

Susan Guzman, PhD

SATURDAY, JUNE 22, 2024

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*

SATURDAY, JUNE 22, 2024

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

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*

SATURDAY, JUNE 22, 2024

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

SUNDAY, JUNE 23, 2024

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

Panel

Theme Area: Acute and Chronic Complications

Session Number: AC-PN10-1.5

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

Room: W307

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

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

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

Chiadi E. Ndumele, MD, PhD

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

Goutham Rao, MD

Evan M. Sisson, PharmD, MHA, CDCES

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

Symposium

Theme Area: Acute and Chronic Complications

Session Number: AC-SY13-1.5

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

Room: W206

Chair: Meda E. Pavkov, MD, PhD

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

Vivek Bhalla, MD

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

Jesse Goodrich, PhD

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

Ana Navas-Acien, MD, PhD

Symposium

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

Session Number: BM-SY02-1.5

Loneliness Is a Real Heartbreaker *(Includes Livestream)*

Room: W414

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

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

Anne Gaglioti, MD, MS, FAAFP

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

Xuan Wang, PhD

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

Ariana Chao, PhD, MSN, BSN, RN

SUNDAY, JUNE 23, 2024

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

Panel

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-PN10-1.5

Noninsulin Treatment for Type 1 Diabetes

Room: W311

Chair: Richard M. Bergenstal, MD

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY01-1.5

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

Room: W315

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

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

SUNDAY, JUNE 23, 2024

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*

SUNDAY, JUNE 23, 2024

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. Seigle, MD, MSc

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

Eyitayo O. Owolabi, PhD, RN

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

Lillian Madrigal, PhD, MPH

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

Puneet Kaur Chehal, MA, PhD

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

Ashby F. Walker, PhD

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

SUNDAY, JUNE 23, 2024

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*

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, APh, FCCP, BCPS, BCACP, CDCES

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

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

Leslie Harrison, MPH

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

Melissa Bing, MPH

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

Betsy Rodriguez, BSN, MSN, CDCES, FADCES

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

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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, FACPM

(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*

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR04-1.5

Continuous Glucose Monitoring—Can It Reduce Hypoglycemia Burden?

Room: W307

Chair: Ilias (Elias) Spanakis, MD

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR09-1.5

Emerging Small Molecule Biomarkers of ASCVD Risk in Metabolic Disease

Room: W208

Chair: Zsu-Zsu Chen, MD

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

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR14-1.5

New Technology—AID Focus

Room: W315

Chair: Elena Toschi, MD

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Epidemiology/Genetics

Session Number: EG-OR05-1.5

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

Room: W207

Chair: Marijana Vujkovic, PhD

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Insulin Action/Molecular Metabolism

Session Number: IA-OR03-1.5

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

Room: W414

Chair: Young-Bum Kim, PhD

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

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Obesity/Integrated Physiology

Session Number: IP-OR02-1.5

Research Advances in Metabolic Liver Disease

Room: W308

Chair: Michael R. Rickels, MD, MS

SUNDAY, JUNE 23, 2024

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.*

SUNDAY, JUNE 23, 2024

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

ePoster Theater

Theme Area: Epidemiology/Genetics

Session Number: ePoster12

(* Growing Older with Diabetes

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

Moderator: Naveed Sattar, MD, PhD

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

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. Shearrer, PhD

Panel

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

Session Number: BM-PN10-1

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

Room: W311

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

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

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

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

Rodolfo J. Galindo, MD

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

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Acute and Chronic Complications

Session Number: AC-OR01-1

Lower Extremity Complications with Systemic Effects

Room: W206

Chair: Ryan T. Crews, PhD, CCRP

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-OR19-1

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

Room: W315

Chair: Laura M. Nally, MD

SUNDAY, JUNE 23, 2024

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

Oral Presentations

Theme Area: Immunology/Beta-Cell Replacement

Session Number: IBC-OR06-1

Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy

Room: W304 A-D

Chair: David M. Harlan, MD

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

SUNDAY, JUNE 23, 2024

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 Saysoukha, DPM

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

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

Symposium

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

Session Number: BM-SY03-1.5

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

Room: W314

Chair: Marisa E. Hilliard, PhD

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

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

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

Symposium

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

Session Number: BM-SY12-1.5

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

Room: W307

Chair: Lia Bally, MD, PhD

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

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

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

Laurie Goodyear, PhD

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

SUNDAY, JUNE 23, 2024

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*

SUNDAY, JUNE 23, 2024

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*

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

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*

MONDAY, JUNE 24, 2024

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

MONDAY, JUNE 24, 2024

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

Outstanding Scientific Achievement Award Lecture *(Includes Livestream)*

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

and

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

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

Room: West Hall B3-4 (General Session)

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

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG01-1

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

Room: W304 A-D

Chair: Viral N. Shah, MD

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

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

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

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

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

Professional Interest Group

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-IG04-1

Discussion on Health Care Delivery and Quality Improvement

Room: W304 E-H

Chair: Francisco J. Pasquel, MD, MPH

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

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

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

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

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

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*

MONDAY, JUNE 24, 2024

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.*

MONDAY, JUNE 24, 2024

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.*

MONDAY, JUNE 24, 2024

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

ePoster Theater

Theme Area: *Clinical Diabetes/Therapeutics*

Session Number: ePoster15

(* Creative Strategies for Care Improvement

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

Moderator: Jessica L. Harding, PhD

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

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

MONDAY, JUNE 24, 2024

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

MONDAY, JUNE 24, 2024

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*

MONDAY, JUNE 24, 2024

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

MONDAY, JUNE 24, 2024

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

Ask the Expert

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

Session Number: BM-AE04-1

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

Room: W314

Chair: Elizabeth A. Beverly, PhD

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

Jay H. Shubrook, DO

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

Angela Bryan, PhD

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

Halis K. Akturk, MD

Panel

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

Session Number: BM-PN11-1

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

Room: W415C (Valencia Ballroom)

Chair: Michael C. Riddell, PhD

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

Rémi Rabasa-Lhoret, MD, PhD

Aude Bandini, PhD

Chiara Dalla Man, PhD

Dale Morrison, PhD

MONDAY, JUNE 24, 2024

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

Debate

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-DB04-1

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

Room: W311

Chair: Erin S. LeBlanc, MD, MPH

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

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

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

Lorie M. Harper, MD, MSCI

3:55 p.m.-4:00 p.m. *Rebuttal*

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

4:00 p.m.-4:05 p.m. *Rebuttal*

Lorie M. Harper, MD, MSCI

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

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY25-1

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

Room: W315

Chair: Eda Cengiz, MD, MHS

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

3:35 p.m.-3:55 p.m. *Current Approaches to Addressing Racial Equity—Insights from the T1D Exchange Q1 Collaborative*
Trevon Wright, MHA

3:55 p.m.-4:15 p.m. *Data-Driven Predictions to Determine High-Risk Patients with Type 1 Diabetes*
Mark A. Clements, MD, PhD

MONDAY, JUNE 24, 2024

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—
Pharmacocequity in the United States**

Room: W308

Chair: Jessica Schwartz, MD, MHS

3:15 p.m.-3:35 p.m. *Principles of Pharmacocequity*
Utibe Essien, MD, MPH

3:35 p.m.-3:55 p.m. *Antiobesity Medication Access on the Clinical Frontlines*
Kristina H. Lewis, MD, MPH, SM

3:55 p.m.-4:15 p.m. *Economic and Public Policy Considerations in the United States*
Alison Ward, PhD

Symposium

Theme Area: Clinical Diabetes/Therapeutics

Session Number: CT-SY46-1

**Results from a Randomized Trial of Intensive Glucose Management Using Continuous Glucose
Monitoring (CGM) Versus Usual Care in Hospitalized Adults with Type 2 Diabetes—The TIGHT
Study (Includes Livestream)**

Room: W320 (Chapin Theater)

Chair: Celia C. Low Wang, MD

3:15 p.m.-3:26 p.m. *Study Background and Rationale*
Boris Draznin, MD, PhD

3:26 p.m.-3:37 p.m. *Study Methods*
Jagdeesh Ullal, MD, MS, FACE, FACP, ECNU

3:37 p.m.-3:48 p.m. *Study Results*
Guillermo Umpierrez, MD, CDCES, MACP, FACE

3:48 p.m.-3:59 p.m. *Discussion of Results and Conclusions*
Irl B. Hirsch, MD

3:59 p.m.-4:15 p.m. *Question and Discussion Period*



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