

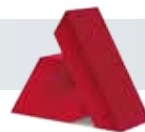


American  
Diabetes  
Association®

83<sup>RD</sup> SCIENTIFIC  
SESSIONS

# Advance Program

SAN DIEGO, CA / HYBRID  
JUNE 23-26, 2023



## ABOUT THE MEETING

The Scientific Sessions offers researchers and health care professionals the unique opportunity to share ideas and learn about the significant advances and breakthroughs in diabetes.

Participants will receive exclusive access to more than 190 sessions and 2,000 original research presentations, take part in provocative and engaging exchanges with leading diabetes experts, expand their professional networks, and so much more.

The program is categorized into eight distinct theme areas, allowing participants to focus on their specialty or expand their knowledge in other areas.

Theme Areas:

- 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

Don't miss this opportunity to join your colleagues at the world's largest, most prestigious meeting on diabetes — The American Diabetes Association's 83rd Scientific Sessions (**#ADA2023**)!

## FORMAT AND DATES

We encourage everyone to join us June 23–26 at the San Diego Convention Center in San Diego, California.

The program will begin Friday, June 23 at 10:30 a.m., and conclude Monday, June 26 at 4:15 p.m. PT (United States Pacific Time). There are virtual meeting registration options for those who cannot join us in-person. There will be more than 75 livestreamed sessions during the meeting, and most sessions will be available on demand 24 hours after the session occurs.

## COVID-19 POLICY

- Proof of vaccination will no longer be required for participation at the Scientific Sessions.
- Masks will be optional for the meeting.
- If there are updates to CDC guidelines or local/state mandates, ADA will notify all attendees of the updated COVID-19 policy.

## LEARNING OBJECTIVES

At the conclusion of this activity attendees will be able to:

- Identify the 2023 ADA Standards of Care for classifying, diagnosing, preventing, and treating prediabetes and diabetes.
- Assess non-pharmacologic treatment options for individualizing treatment protocols for the management of hyperglycemia and hypoglycemia.
- Apply clinical decision-making tools to the assessment and treatment of the complications related to diabetes.
- Develop a more aggressive, effective, physiological, psychological, and behavioral treatment plan for patients with diabetes.
- Cite the research into current, emerging, and novel therapies for type 1 and type 2 diabetes.
- Discuss proven education strategies for increasing the impact of diabetes education with individual patients.
- Interpret the latest findings in the areas of epidemiology, genetics, immunology, beta-cell replacement, and islet biology as they relate to diabetes.

## NATIONAL SCIENTIFIC & HEALTH CARE ACHIEVEMENT AWARDS

The ADA is proud to announce the recipients of the 2023 National Scientific & Health Care Achievement Awards. These awards honor those individuals who have made significant contributions through their outstanding career achievements and support in the areas of diabetes research, clinical care, and education including training, mentoring, and international impact.

The eight prestigious awards will be presented during the Scientific Sessions.

### Banting Medal for Scientific Achievement

Matthias H. Tschöp, MD

### Outstanding Scientific Achievement Award

Carmella Evans-Molina, MD, PhD

### Albert Renold Award

Raghavendra G. Mirmira, MD, PhD

### Outstanding Achievement in Clinical Diabetes Research Award

Silva A. Arslanian, MD

### Outstanding Educator in Diabetes Award

A. Enrique Caballero, MD

### Outstanding Physician Clinician in Diabetes Award

Mandeep Bajaj, MBBS

### Harold Rifkin Award for Distinguished International Service in the Cause of Diabetes

Mark A. Atkinson, PhD

### Kelly West Award for Outstanding Achievement in Epidemiology

Alka M. Kanaya, MD

## PROFESSIONAL MEMBERSHIP AWARDS

The ADA is proud to announce the recipients of the 2023 Professional Membership Awards. These Interest Groups awards are presented to recognize and honor individuals in the diabetes scientific and medical community who have demonstrated exceptional leadership and who have made significant research contributions and outstanding career achievements in the areas of behavioral medicine and psychology, podiatry, pregnancy and reproductive health, and macrovascular complications of diabetes.

These four awards will be presented during the Scientific Sessions.

### Richard R. Rubin Award

*(Interest Group on Behavioral Medicine & Psychology)*

Deborah Young-Hyman, PhD, FTOS, FeI SBM, CDCES

### Roger Pecoraro Award

*(Interest Group on Foot Care)*

Tze-Woei Tan, MBBS, MPH, FACS

### Norbert Freinkel Award

*(Interest Group on Pregnancy)*

Helen R. Murphy, MB, BCh, BAO, MD, FRACP

### Edwin Bierman Award

*(Interest Group on Complications)*

Elizabeth J. Parks, PhD

## LOIS JOVANOVIC TRANSFORMATIVE WOMAN IN DIABETES AWARD

The ADA is proud to announce the recipient of the Lois Jovanovic Transformative Woman in Diabetes Award. This award recognizes a female professional in the diabetes field who has made outstanding contributions to diabetes research, clinical practice, diabetes education, public health, and/or other related disciplines.

Ann L. Albright, PhD, RDN

This award will be presented during the WIN ADA Reception during the Scientific Sessions.

## MEETING HIGHLIGHTS

### Highly Anticipated Study Announcements

We are excited to announce that new data or updates to the following studies will be presented during the meeting:

- SURMOUNT 2 Trial Results and Potential Role of Tirzepatide in Treating Obesity in Type 2 Diabetes
- Oral Semaglutide for Treatment of Obesity and Type 2 Diabetes — Results from OASIS 1 and PIONEER PLUS Trials
- COORDINATE — Diabetes Study Results Symposium
- Retatrutide (LY3437943), a Novel GIP/GLP-1/Glucagon Receptor Triagonist — Obesity, NAFLD, and T2D Phase 2 Trial Results
- Is Metabolic Surgery or Lifestyle/Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARMMS-T2D Randomized Trial after 7–15 Years of Follow-Up

### Professional Interest Groups

Professional Interest Group Discussions are held Saturday, Sunday, and Monday. Expect lively conversations, dialogue, and debate with professionals in your specialty such as islet biology, quality improvement, and technology.

Learn more and join three groups today at [professional.diabetes.org/InterestGroups](https://professional.diabetes.org/InterestGroups).

### Oral Presentations

Abstracts selected for oral presentation are considered to be the best of the thousands of abstracts submitted to the Scientific Sessions. Choose from over 370 original presentations highlighting the most innovative research not found at any other meeting.

## Poster Presentations

Explore more than 1,400 posters displaying the latest investigative methods in the Poster Hall on Saturday, Sunday, and Monday. Poster presenters will be at their poster boards for 1-hour on an assigned day to discuss their research with attendees.

### Virtual Poster Hall

View ePosters and listen to recorded audio (if provided by the presenter) in the virtual poster hall. ePosters will be available for viewing throughout the entire meeting.

### Abstract Availability

Abstract titles and author listings will be available via the Scientific Sessions Mobile App on May 22. Embargoed text of abstracts will be made available on Tuesday, June 20.

**Note:** The abstract embargo still applies; however, abstracts are made available to attendees to assist in creating their itineraries for the meeting.

### ePoster Theaters

Moderators will share their perspectives and highlight novel or recent advancements in question and answer discussions with presenters.

Sessions will take place on Saturday, Sunday, and Monday in ePoster Theaters A and B in the Exhibit Hall.

### Scientific Sessions Mobile App

Access the meeting on-the-go. Download the Scientific Sessions Mobile App to access information on your smartphone, tablet, or handheld device. The app will be released on May 22.

Visit [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) at that time for download details.

## IMPORTANT DATES TO REMEMBER

Last day to register at the Advance Rate	May 11
Last day to cancel meeting registration and receive a full refund	May 11
Last day to reserve hotel rooms	June 12
Cancel hotel reservations to avoid penalty	72 hours prior to arrival



Exhibit Hall

Visit our Exhibit Hall to receive information on products and services that will enhance your understanding of the latest advancements in pharmaceuticals, devices, imaging, and services important to high-quality patient care.

Product Theaters

Product Theaters will showcase industry experts who provide insight into diabetes services and products and demonstrate innovative equipment and technologies. Product Theaters are scheduled during morning, lunch, and afternoon breaks in the Exhibit Hall on Saturday, Sunday, and Monday.

Corporate Symposia

Corporate Symposia are satellite programs that are planned and conducted by the corporate community in conjunction with the Scientific Sessions. These programs provide attendees with additional education.

Earn Continuing Education Credits

Continuing Education Credit is available for physicians, family physicians, international physicians, physician assistants, nurses, pharmacists, dietitians, psychologists, social workers, and certified diabetes care and education specialists.

You'll have the opportunity to earn **29.5** continuing education credits during the in-person meeting in San Diego.

SPECIAL EVENTS

ADA Networking Reception

**New for 2023!** Join us on Friday evening from 6:30 p.m. to 8:30 p.m. The Networking Reception will take place in the Exhibit Hall with access to exhibitors and a preview of the Poster Hall. This is also a great opportunity to renew connections with friends and colleagues from across the country and around the world. Hors d'oeuvres and refreshments will be provided.

5K@ADA

Join us for the 5K@ADA Virtual Challenge anytime during June 21-25. Join people from across the globe and register today at [ada5k.com](https://ada5k.com).

SHOP DIABETES STORE

Visit the Shop Diabetes Store at [shopdiabetes.org](https://shopdiabetes.org) and save 30% on all books and official ADA merchandise. Every purchase supports diabetes research, advocacy, and education programs.

PROFESSIONAL MEMBERSHIP

The ADA is the pre-eminent resource for diabetes health care professionals and researchers who are leading the way in patient treatment and care. Members will gain access to the latest ground-breaking research, unparalleled information, and extensive global networking opportunities.

Join today to receive:

- **FREE member-only webinars on current topics in diabetes** — ADA webinars let you hear from diabetes experts on diabetes technology and patient care.
- **Opportunities to engage and network with diabetes professionals** — Your membership includes access to three Special Interest Groups and the online member forum. Foster the exchange of scientific, educational, and clinical information with colleagues around the world.
- **Career development and recognition opportunities through the Women's Interprofessional Network of the ADA (WIN ADA)** — Advance your career and network with female clinicians, scientists, educators, and other health professionals in diabetes. WIN ADA will host multiple events at the Scientific Sessions.
- **The annual *Standards of Care*** — Keep the annual *Standards of Medical Care in Diabetes* at your fingertips. Access to the all-new *Standards of Care* app includes special interactive tools to take notes

and bookmark important sections.

- **NEW — Professional Podcasts** — Diabetes Care “On Air”, Diabetes Core Update, and Diabetes Day by Day.
- **Healthy Living** — An invaluable free resource to empower patients wanting to better manage their diabetes. Featuring nutrition, recipes, fitness ideas, live cooking classes, and weight loss tips.
- **Mental Health Provider Directory** — Mental health care is an integral part of diabetes management. Sign up as a mental health care professional or refer your patients to our directory to seek care from mental health professionals who have expertise in diabetes care.
- **Over 100 publications** — Professional titles on [shopdiabetes.org](https://shopdiabetes.org) to enhance your patient care library.

Become a professional member at [professional.diabetes.org/membership](https://professional.diabetes.org/membership).

NEW! ADA SCHOLARS PROGRAM

Graduate students, endocrine/diabetes fellows, and early-career diabetes clinicians are invited to join the new ADA Scholars career development program.

The ADA Scholars in-person program will take place on June 22-23 at the 83rd Scientific Sessions.

Participants may be eligible for a free 1-year ADA Professional Membership and free registration for the 83rd Scientific Sessions. Apply today at [professional.diabetes.org/scholars](https://professional.diabetes.org/scholars).

ADA MEETING NEWS

Don't miss the groundbreaking science from the 83rd Scientific Sessions by visiting the meeting's official online news source, [ADAMeetingNews.org](https://adametingsnews.org). Access [ADAMeetingNews.org](https://adametingsnews.org) through your web browser or the Scientific Sessions Mobile App (available on iOS and Android).

REGISTRATION RATES

**Full In-Person Registration with Access to Virtual through Monday, August 28, 2023.** *One day registration does not include virtual access.*

	ADVANCE 3/10/23 - 5/11/23	FINAL 5/12/23 - 8/25/23
Member*	\$635	\$685
Non-Member	\$955	\$1,005
Student/Resident/Fellow	\$360	\$380
One Day Registration – Member	\$370	\$380
One Day Registration – Non-Member	\$460	\$470

**Virtual Only Meeting Registration with Access through Monday, August 28, 2023.**

	ADVANCE 3/10/23 - 5/11/23	FINAL 5/12/23 - 8/25/23
Member*	\$585	\$635
Non-Member	\$905	\$955
Student/Resident/Fellow	\$310	\$330

\*To qualify for the Member rate your Medicine and Science or Health Care and Education Membership must be active through **June 30, 2023** at the time of registration.

REGISTRATION CATEGORIES

Member

Medicine and Science or Health Care and Education Professional Members.

Have your Professional Member ID number available to register for the meeting as a member.

Non-Member

For those who are not Medicine and Science or Health Care and Education Professional Members.

Become a member when you register for the Scientific Sessions and save up to **\$320** on your registration.

Student/Resident/Fellow

Available to those currently enrolled in one of these programs. Proof of status in a program must be submitted in order to register.

One-Day

Provides admittance to all sessions, including the Exhibit and Poster Halls (if open), for the selected day. You are allowed to register for only 1, One-Day Registration. *One day registration does not include virtual access.*

Register Online

Visit [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) and click on the “Registration Information” tab. Online registration is fast, easy, and secure. You will receive your confirmation letter and periodic updates via email.

Questions?

Contact the ADA Registration Support Center Monday through Friday, 9:00 a.m. to 7:00 p.m. ET (U.S. Eastern Time) at 866-290-9910 (Toll Free U.S. & Canada) or +415-268-2086 (International). Visit the ADA Support Center at <https://ada.cmrushelp.com/s/contactsupport>.

Please note:

*Children under the age of 18, even if paid registrants, will not be permitted access to session rooms, the Exhibit Hall, or the Poster Hall. Exceptions can be made for nursing mothers, but for safety reasons, strollers cannot be allowed.*

Media Registration

The ADA provides complimentary access to credentialed members of the media, including print, broadcast, and online media for the express purpose of gathering news and information to produce press coverage of the 83rd Scientific Sessions.

Media representatives welcome to attend include reporters, writers, photographers, and videographers. News organizations seeking media credentials must be represented by editorial staff.

For further information regarding registration eligibility and submission requirements for your news organization, contact [SciSessionsPress@diabetes.org](mailto:SciSessionsPress@diabetes.org) with any questions.

Warning/Be Aware!

There are companies that are claiming to offer registration and housing services for ADA's Scientific Sessions, which are not affiliated with

ADA and do not offer any services on our behalf. You may receive emails or phone calls from these companies urging you to book hotel rooms or register. Registration and housing should only be accessed from [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) and reserved through ADA's official registration and housing provider, Convention Management Resources (CMR) and ADA International Group Department (ADA-IGD). If you do not see this logo on the website, then they are not our official provider!

If you are contacted by any agency other than CMR and ADA-IGD, please immediately notify CMR at <https://ada.cmrushelp.com/s/contactsupport>.



## HOTEL INFORMATION

Visit [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) and click on the “Hotel Information” tab to reserve your room online. Reserving your room online allows you to see hotel availability in real-time and allows us to send confirmation letters instantly. It also gives us a fast and easy way to contact you via email with any changes or updates.

### Hotel Reservations

Reservations are available on a first-come, first-served basis. Reserve your room early for the best selection. All hotels require a credit card guarantee. If you are unable to reserve online, a downloadable housing form is available on the Scientific Sessions website.

Support the ADA by booking your hotel room within the Scientific Sessions housing block through our official housing company, CMR. Hotel reservations can be made until June 12 based on availability. A listing of official ADA hotels, with rates and a locator map, is available at [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org).

### International Group Organizers

If you are organizing an international group (five or more rooms) to attend the Scientific Sessions, you may reserve your hotel rooms through ADA’s International Groups Department (IGD). For more information, please visit <https://www.ada-igd.com/ptGroups.aspx> or email [info@ada-igd.com](mailto:info@ada-igd.com).

### Hotel Cancellations and Changes

All requests for cancellations or changes can be made by going online or by contacting ADA’s official housing company. Changes received after 12:00 p.m. PT (U.S. Pacific Time) on June 12 will be subject to hotel availability. Reservations must be cancelled at least 72 hours prior to arrival to avoid penalty charges.

## ADA Shuttle Bus Transportation

Attendees who reserve their room within the Scientific Sessions housing block will receive a shuttle pass, enabling them to ride the ADA shuttle system at no additional cost.

Attendees who reserve their rooms through other means will not receive a shuttle pass. Shuttle passes will be available for purchase in advance through the registration site and onsite at the meeting at a cost of \$75 per person. The pass is valid throughout the duration of the meeting.

### Questions?

Contact the ADA Registration and Housing Customer Care Center Monday through Friday, 9:00 a.m. to 7:00 p.m. ET (U.S. Eastern Time) at 866-290-9910 (Toll Free U.S. & Canada) or +1-415-268-2086 (International). Visit the ADA Support Center at <https://ada.cmrushelp.com/s/contactsupport>.

## TRAVEL INFORMATION

Visit [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) and click on the “Travel and Transportation Information” tab for more information.

### Visa Requirements

Attendees from outside the U.S. may need to apply for a visa at the American Embassy, consulate, or other visa issuing office in their country of origin. Please begin your visa application process as soon as possible, as it can take several months to receive approval.

If a letter of invitation is needed for your application, visit [scientificsessions.diabetes.org](https://scientificsessions.diabetes.org) and click the “Travel and Transportation Information” tab to download the letter.

## PHOTOGRAPHY/SOCIAL MEDIA

### Photography

Allowing photographs of presentation slides at the Scientific Sessions will be at the discretion of the presenter/study author. Each presenter/study

author will announce, verbally and visually on a slide at the beginning of their presentation, whether or not they approve of photos/screen captures being taken. If allowed, attendees may take photos/screen captures during presentations provided that they are for personal, noncommercial use and are not for publication or rebroadcast without the express written permission of the author.

### Social Media

The ADA encourages the use of social media, when following the photo policy and within embargo restrictions, to update followers on the latest news coming from the Scientific Sessions.

To engage on social media be sure to use the official meeting hashtag, **#ADA2023**, in all of your posts. You can also follow these channels for meeting updates:

- Twitter: @ADA\_DiabetesPro and @AmDiabetesAssn
- Facebook: @DiabetesPro and @AmericanDiabetesAssociation
- Instagram: @AmDiabetesAssn
- LinkedIn: American-Diabetes-Association

## SPOTLIGHT ON SAN DIEGO

With a scene that spans from internationally renowned museums and theater companies to experimental pop-up galleries in abandoned warehouses, San Diego’s artistic landscape is one of the nation’s most diverse. San Diego is not only California’s birthplace — it is also the state’s historic soul. Visitors can forego the history books and instead travel to San Diego for a fascinating lesson on California’s beginnings.

With major sandstone cliffs covered in towering pine trees and expansive sandy beaches along the sparkling Pacific, San Diego’s North County coastline offers some of the most beautiful scenery in the nation.

## ACCREDITATION STATEMENTS AND CONTINUING EDUCATION CREDIT

For questions regarding continuing education, please contact [professionaleducation@diabetes.org](mailto:professionaleducation@diabetes.org).

### Physicians, Nurses, and Pharmacists

In support of improving patient care, the American Diabetes Association is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

**This activity was planned by and for the healthcare team, and learners will receive 29.5 Interprofessional Continuing Education (IPCE) credit for learning and change.**

**Nurses:** Pharmacotherapeutic change to CE credits offered up to 18.

**Pharmacists:** The Universal Activity Number is: JA4008193-0000-23-004-H01-P.

**Note for Pharmacists:** Upon closing of the online evaluation, the ADA will upload the pharmacy-related continuing education information to CPE Monitor within 60 days. Per ACPE rules, the ADA does not have access nor the ability to upload credits requested after the evaluation closes.

### Dietitians

The American Diabetes Association is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 29.5 continuing professional education units (CPEUs) for completion of this program/material.

## Physicians for ABIM Maintenance of Certification



Successful completion of this CME activity,

which includes participation in the evaluation component, enables the participant to earn up to 29.5 Medical Knowledge only MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

**Note:** Upon submission of the online evaluation, the MOC points will be immediately transferred to the ABIM. As previously stated and per the ABIM rules, the ADA does not have access nor the ability to upload points requested after the evaluation closes.

### Physicians from Europe



UEMS/ACCME CME credit recognition: The American Medical Association (AMA) has an agreement of

mutual recognition of CME credit with the UEMS. Under the terms of this agreement, the European Accreditation Council for Continuing Medical Education (EACCME), the accrediting arm of the UEMS, will convert CME credit for live activities certified by the AMA.

### Physician Associates

The American Diabetes Association has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 29.5 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

## Psychologists



Continuing Education (CE) credits for

psychologists are provided through the co-sponsorship of the American Psychological Association (APA) Office of Continuing Education in Psychology (CEP). The APA CEP Office maintains responsibly for the content of the programs.

### Social Workers



As a Jointly Accredited Organization,

the American Diabetes Association is approved to offer social work continuing education by the Association of Social Work Boards (ASWB) Approved Continuing Education (ACE) program. Organizations, not individual courses, are approved under this program. State and provincial regulatory boards have the final authority to determine whether an individual course may be accepted for continuing education credit. The American Diabetes Association maintains responsibility for this course. Social workers completing this course receive 29.5 continuing education credits.

## Certified Diabetes Care and Education Specialists

To satisfy the requirement for renewal of certification by continuing education for the National Certification Board for Diabetes Educators (NCBDE), continuing education activities must be diabetes related and approved by a provider on the NCBDE List of Approved Providers ([www.ncbde.org](http://www.ncbde.org)). NCBDE does not approve continuing education. The American Diabetes Association is on the NCBDE List of Approved Providers.

## To Obtain Continuing Education Credit

Certificates of Completion/Attendance are provided to registered attendees based upon completion of the online evaluation. The link to the online evaluation will be emailed to participants on June 23, 2023. The continuing education evaluation system will be available through August 21, 2023.

Registration Hours: 8:00 a.m.-6:30 p.m.  
Shop Diabetes Store Hours: 9:00 a.m.-6:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
FRIDAY, JUNE 23, 2023

Exhibit Hall Hours: 6:30 p.m.-8:30 p.m.  
Poster Hall Hours: 6:30 p.m.-8:30 p.m.

	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
10:30 a.m.-11:30 a.m.	Welcome to the 83rd ADA Scientific Sessions—Keynote Address by Francis Collins, MD, PhD, and Panel Discussion <i>(Includes Livestream)</i>							
11:30 a.m.-12:30 p.m.	“Pathway to Stop Diabetes” Symposium <i>(Includes Livestream)</i>							
12:45 p.m.-1:45 p.m.	Oral Presentations Hypoglycemia  Oral Presentations Lipids  Oral Presentations Diabetic Kidney Disease	Debate To Eat or Not to Eat? Fasted vs. Postprandial Exercise for Glycemic Management <i>(Includes Livestream)</i>	Debate Are Two Better than One? Initial Combination Therapy in Type 2 Diabetes Mellitus <i>(Includes Livestream)</i>  Symposium Overcoming Therapeutic Inertia—Leveraging the Diabetes Care Interprofessional Team <i>(Includes Livestream)</i>  Oral Presentations Health Care Delivery—Economics/Quality Improvement  Oral Presentations Pediatrics	Debate Where Lie the Keys to Type 2 Diabetes Prevention? Population Health or Personalized Medicine? <i>(Includes Livestream)</i>	Oral Presentations Immunology	Oral Presentations Insulin Action/ Molecular Metabolism	Oral Presentations Obesity/ Pathogenesis of Obesity	Oral Presentations Islet Biology/ Insulin Secretion
2:00 p.m.-3:30 p.m.	Oral Presentations Macrovascular Complications (With Edwin Bierman Award Lecture) <i>(Includes Livestream)</i>	Oral Presentations Psychosocial/Behavioral Medicine (With Richard R. Rubin Award Lecture) <i>(Includes Livestream)</i>	Ask the Expert Management of the Athlete with Diabetes <i>(Includes Livestream)</i>  Oral Presentations Pregnancy  Oral Presentations Clinical Therapeutics  Oral Presentations New Technology	Oral Presentations Epidemiology  Oral Presentations Genetics and Gene Regulation	Oral Presentations Beta-Cell Replacement	Oral Presentations Insulin Action/ Molecular Metabolism	Oral Presentations Obesity/ Pathogenesis of Obesity	Oral Presentations Islet Biology/ Insulin Secretion <i>(Includes Livestream)</i>
3:45 p.m.-5:15 p.m.	Symposium Real-World Hypoglycemia in Older Adults with Diabetes	Symposium Efficacy, Engagement, and Sustainability of Dietary Management Options in Type 2 Diabetes—Time for a Reappraisal?  Symposium Translating Psychosocial Care into Real-World Practice Settings	Ask the Expert Interactive Case Studies—AID Systems—Which Setting Would You Change? <i>(Includes Livestream)</i>  Panel Discussion Remission or Bust!  Symposium Genetics of Glucose Metabolism in Pregnancy  Symposium Glucagon Fest  Symposium SURMOUNT 2 Trial Results and Potential Role of Tirzepatide in Treating Obesity in Type 2 Diabetes <i>(Includes Livestream)</i>	Symposium Immigration and Diabetes—Diabetes Risk, Prevention, and Management in a Changing American Landscape <i>(Includes Livestream)</i>	Symposium The Quest to Delay or Prevent Type 1 Diabetes Onset—Recent Interventional Trials <i>(Includes Livestream)</i>  Symposium Designer Beta Cells	Panel Discussion Interoception—Conversations with Adipocytes	Symposium Welcome to Exosomes—Their Role in Obesity  Symposium Diabetic Myopathy and Muscle Metabolism	
5:30 p.m.-6:30 p.m.	Oral Presentations Foot Care/Lower Extremities  Oral Presentations Neuropathy  Oral Presentations Retinopathy <i>(Includes Livestream)</i>	Debate Should We Curb the Carbs? <i>(Includes Livestream)</i>  Oral Presentations Clinical Nutrition  Oral Presentations Diabetes Education  Oral Presentations Exercise	Debate Do-It-Yourself (DIY) Devices vs. Commercial Closed-Loop Systems for Managing Type 1 Diabetes <i>(Includes Livestream)</i>  Oral Presentations Clinical Therapeutics  Oral Presentations Pediatrics	Oral Presentations Genetics and Gene Regulation			Debate Hope or Hype—Role of Microbiome in Obesity <i>(Includes Livestream)</i>  Oral Presentations Metabolism, In Vivo (Humans)	
6:30 p.m.-8:30 p.m.	ADA Networking Reception							

Registration Hours: 7:00 a.m.-6:30 p.m.  
Shop Diabetes Store Hours: 7:30 a.m.-6:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
SATURDAY, JUNE 24, 2023

Exhibit Hall Hours: 10:00 a.m.-4:00 p.m.  
Poster Hall Hours: 10:00 a.m.-6:00 p.m.

	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
8:00 a.m.-9:30 a.m.	<b>Symposium</b> The Goldilocks Paradigm of Physical Activity and the Foot in Persons with Diabetes <i>(Includes Livestream)</i>  <b>Symposium</b> Implementation of Guideline-Directed Medical Therapy for Cardiometabolic Disease — Emerging Multidisciplinary Initiatives	<b>Panel Discussion</b> Behavioral Markers of Diabetes Self-Management — State of the Science and Measurement Controversies — Honoring the Legacy of Mark Peyrot	<b>Symposium</b> The Heart of the Matter — Cardiovascular Health during Pregnancy and Beyond  <b>Symposium</b> Overcoming Obstacles in Diabetes Management  <b>Symposium</b> Continuous Glucose Monitoring in Type 2 Diabetes — Are We There Yet? <i>(Includes Livestream)</i>  <b>Symposium</b> Diabetes in the Child with Obesity  <b>Symposium</b> ADA <i>Diabetes Care</i> Symposium — Social Determinants of Health — Impact on Diabetes Development and Care	<b>Symposium</b> The Road Less Traveled — U.S. Rurality and Diabetes	<b>Symposium</b> Type 1 Diabetes through Another Lens — Lessons from Other Disease Settings <i>(Includes Livestream)</i>	<b>Symposium</b> Mitochondrial Metabolism and Glucose Homeostasis	<b>Symposium</b> Beyond “Calories In, Calories Out” in Treating Obesity <i>(Includes Livestream)</i>	<b>Symposium</b> Endoplasmic Reticulum (ER) — Stressed-Out Beta Cells
9:45 a.m.-11:15 a.m.	ADA Chief Executive Officer Remarks; President, Health Care & Education Address; and Outstanding Educator in Diabetes Award Lecture <i>(Includes Livestream)</i>							
11:30 a.m.-12:30 p.m.	<b>Professional Interest Group</b> Professional Interest Group Discussion on Foot Care <i>(Includes Livestream)</i>	<b>Professional Interest Group</b> Professional Interest Group Discussion on Exercise Physiology — Lactate Reimagined — More than Just a Waste Product  <b>Professional Interest Group</b> Professional Interest Group Discussion on Nutritional Sciences and Metabolism — Novel Methods of Dietary Assessment  <b>Professional Interest Group</b> Professional Interest Group Discussion on Women’s Interprofessional Network of the ADA (WIN ADA) — Amplifying Women’s Voices in the Diabetes Workforce — A Panel Discussion <i>(Includes Livestream)</i>  <b>ePoster Theater</b> Diabetes Education	<b>Professional Interest Group</b> Professional Interest Group Discussion on Pregnancy and Reproductive Health — Metformin Use in Type 2 Diabetes during Pregnancy — A Debate <i>(Includes Livestream)</i>  <b>Professional Interest Group</b> Professional Interest Group Discussion on Clinical Centers and Programs  <b>Professional Development</b> Learn How to Pitch Your Entrepreneurial Idea and Get Funding  <b>ePoster Theater</b> Health Care Delivery — Economics/Quality Improvement					<b>Professional Interest Group</b> Professional Interest Group Discussion on Islet Biology Development and Function — Alpha, Beta, and Delta Cells of the Islets — More than Just Neighbors <i>(Includes Livestream)</i>
11:30 a.m.-12:30 p.m.				General Poster Session				
12:30 p.m.-1:30 p.m.			<b>ePoster Theater</b> Therapeutics/New Technologies					<b>ePoster Theater</b> Islet Biology/Insulin Secretion
1:30 p.m.-3:00 p.m.	<b>Oral Presentations</b> Hypoglycemia  <b>Oral Presentations</b> Foot Care/Lower Extremities (With Roger Pecoraro Award Lecture) <i>(Includes Livestream)</i>  <b>Oral Presentations</b> Macrovascular Complications	<b>Oral Presentations</b> Psychosocial/ Behavioral Medicine  <b>ePoster Theater</b> Clinical Nutrition	<b>Ask the Expert</b> Interactive Case Studies — Optimizing Diabetes Technology in Special Populations <i>(Includes Livestream)</i>  <b>Oral Presentations</b> Health Care Delivery — Economics/ Quality Improvement  <b>Oral Presentations</b> Pregnancy  <b>Oral Presentations</b> Clinical Therapeutics	<b>Oral Presentations</b> Epidemiology  <b>ePoster Theater</b> Genetics and Gene Regulation	<b>Oral Presentations</b> Immunology <i>(Includes Livestream)</i>	<b>Oral Presentations</b> Insulin Action/ Molecular Metabolism	<b>Oral Presentations</b> Metabolism, In Vivo (Animals)	<b>Oral Presentations</b> Islet Biology/ Insulin Secretion <i>(Includes Livestream)</i>

Registration Hours: 7:00 a.m.-6:30 p.m.  
Shop Diabetes Store Hours: 7:30 a.m.-6:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
SATURDAY, JUNE 24, 2023 (CONTINUED)

Exhibit Hall Hours: 10:00 a.m.-4:00 p.m.  
Poster Hall Hours: 10:00 a.m.-6:00 p.m.

	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
3:15 p.m.-4:15 p.m.	<p><b>Panel Discussion</b> The Future Is Now — Artificial Intelligence and Diabetes Foot Disease</p> <p><b>Panel Discussion</b> Hypoglycemia as a Quality Measure — Rationale, Challenges, and Opportunities</p> <p><b>Panel Discussion</b> Above and Beyond the Regular Lipid Panel — Are Additional Measurements Really Needed?</p> <p><b>Symposium</b> The Evolving Clinical Spectrum of Diabetic Neuropathy</p>		<p><b>Debate</b> Nutrition in Pregnancy — Is Low-Carb a No-Go?</p> <p><b>Debate</b> Technology or Immuno-modulation — The Best Course for Management of Type 1 Diabetes</p> <p><b>Panel Discussion</b> What Can Diabetes Quality Teams Learn from Engineers and Designers?</p>	<p><b>Award Lecture (3:15 p.m.-4:00 p.m.)</b> Kelly West Award for Outstanding Achievement in Epidemiology Lecture <i>(Includes Livestream)</i></p> <p><b>Panel Discussion</b> Diabetes Endotypes — Defined by DNA?</p>	<p><b>Panel Discussion</b> The New Normal — Perspectives on Treatment and Trials as Immunotherapies Enter the Type 1 Diabetes Clinical Landscape <i>(Includes Livestream)</i></p>	<p><b>Symposium</b> Twitter Bugs — Dancing between the Carbohydrate-Insulin and Energy-Balance Models <i>(Includes Livestream)</i></p>	<p><b>Debate</b> Only Time Will Tell — Early Eating or Just Eating? <i>(Includes Livestream)</i></p>	<p><b>Debate</b> Is It Time to Revise Our Thinking on the Role of the K(ATP) Channel in Insulin Secretion?</p>
4:30 p.m.-6:00 p.m.	<p><b>ePoster Theater</b> Macrovascular Complications</p>	<p><b>Oral Presentations</b> Psychosocial/ Behavioral Medicine <i>(Includes Livestream)</i></p>	<p><b>Main Event</b> Innovation Challenge <i>(Includes Livestream)</i></p> <p><b>Symposium</b> Joint ADA/AACC Symposium — Hyperglycemia in the Hospital — Are Our Tools for Measurement Accurate Enough?</p> <p><b>Symposium</b> Joint ADA/EASD Symposium — Precision Medicine in Diabetes (PMDI) <i>(Includes Livestream)</i></p> <p><b>Oral Presentations</b> Clinical Therapeutics</p> <p><b>Oral Presentations</b> New Technologies</p>	<p><b>Symposium</b> Multiancestry Genome-Wide Association Studies (GWAS) and Polygenic Risk Score (PRS)</p>	<p><b>Oral Presentations</b> Beta-Cell Replacement <i>(Includes Livestream)</i></p>		<p><b>Oral Presentations</b> Metabolism, In Vivo (Humans)</p>	<p><b>Oral Presentations</b> Islet Biology/ Insulin Secretion</p>

Registration Hours: 7:30 a.m.-5:00 p.m.  
Shop Diabetes Store Hours: 7:30 a.m.-6:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
SUNDAY, JUNE 25, 2023

Exhibit Hall Hours: 10:00 a.m.-4:00 p.m.  
Poster Hall Hours: 7:30 a.m.-6:00 p.m.

	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
8:00 a.m.- 9:30 a.m.	<p><b>Symposium</b> New Treatment Possibilities for Cardiovascular Residual Risk in Diabetes? <i>(Includes Livestream)</i></p> <p><b>Symposium</b> Diabetes Kidney Disease in Type 1 and Type 2 Diabetes — The Same Disease?</p> <p><b>Symposium</b> The NIDDK Diabetic Foot Consortium — So People with Diabetes May Stand Firm</p>	<p><b>Symposium</b> Hot Topics in Nutrition — What’s the Evidence? <i>(Includes Livestream)</i></p>	<p><b>Panel Discussion</b> Do Quality Improvement Efforts Reduce Health Care Disparities?</p> <p><b>Symposium</b> Automated Insulin Delivery Use among Pregnant Women with Type 1 Diabetes — Past, Present, and Future</p> <p><b>Symposium</b> Transforming Therapy with Ultra-Long-Acting Insulins</p> <p><b>Panel Discussion</b> Updates in ADA’s <i>Standards of Care in Diabetes</i> — 2023 <i>(Includes Livestream)</i></p> <p><b>Symposium</b> Joint ADA/JDRF Symposium — Global Perspective on Population Level Type 1 Diabetes Screening and Monitoring</p>	<p><b>Symposium</b> Real-World Data in Diabetes Research — Promise or Peril?</p>		<p><b>Symposium</b> It’s About Time — Eating and Exercising in Metabolic Health</p>	<p><b>Symposium</b> Nutrient-Stimulated Hormones — Anti-Obesity Pharmacotherapy Game Changers <i>(Includes Livestream)</i></p> <p><b>Symposium</b> ADA <i>Diabetes</i> Journal Symposium — Staying in Network — Adipocyte Communication in Regulation of Energy Balance</p>	
9:45 a.m.- 11:15 a.m.			President, Medicine & Science Address and Banting Medal for Scientific Achievement <i>(Includes Livestream)</i>					
11:30 a.m.- 12:30 p.m.	<p><b>Professional Interest Group</b> Professional Interest Group Discussion on Diabetes and Cardiovascular Disease — SGLT2 Inhibitors — Innovative Research to Inform Clinical Practice <i>(Includes Livestream)</i></p> <p><b>Professional Interest Group</b> Professional Interest Group Discussion on Eye Health</p>	<p><b>Professional Interest Group</b> Professional Interest Group Discussion on Behavioral Markers of Diabetes Self-Management — Perspectives from Clinicians and People with Diabetes</p> <p><b>Professional Interest Group</b> Professional Interest Group Discussion on Diabetes Self-Management Education and Support (DSMES) <i>(Includes Livestream)</i></p>	<p><b>Professional Interest Group</b> Professional Interest Group Discussion on Diabetes in Primary Care <i>(Includes Livestream)</i></p> <p><b>Professional Interest Group</b> Professional Interest Group Discussion on Diabetes in Youth <i>(Includes Livestream)</i></p> <p><b>Professional Development</b> Art of Writing a Winning Grant</p>				<p><b>ePoster Theater</b> Metabolism, In Vivo (Animals)</p>	
11:30 a.m.- 12:30 p.m.				General Poster Session				
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.	<p><b>Oral Presentations</b> Hypoglycemia</p> <p><b>Oral Presentations</b> Macrovascular Complications</p>	<p><b>Ask the Expert</b> Downloading Glucose Data Everywhere or All in One Place <i>(Includes Livestream)</i></p> <p><b>Symposium</b> Improving Inclusive Care in Pediatric Diabetes Clinics — ADA Youth Strategies Committee Symposium</p>	<p><b>Oral Presentations</b> Health Care Delivery — Economics/ Quality Improvement</p> <p><b>Oral Presentations</b> Clinical Therapeutics</p> <p><b>Oral Presentations</b> New Technologies</p> <p><b>Oral Presentations</b> Pregnancy (With Norbert Freinkel Award Lecture) <i>(Includes Livestream)</i></p> <p><b>ePoster Theater</b> New Technologies</p>	<p><b>Oral Presentations</b> Genetics and Gene Regulation <i>(Includes Livestream)</i></p> <p><b>ePoster Theater</b> Epidemiology</p>	<p><b>Oral Presentations</b> Immunology</p>	<p><b>Oral Presentations</b> Insulin Action/ Molecular Metabolism</p>	<p><b>Oral Presentations</b> Obesity/ Pathogenesis of Obesity</p> <p><b>Oral Presentations</b> Metabolism, In Vivo (Animals)</p>	<p><b>Symposium</b> The Islet-Cell Interactome <i>(Includes Livestream)</i></p>

Registration Hours: 7:30 a.m.-5:00 p.m.  
Shop Diabetes Store Hours: 7:30 a.m.-6:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
SUNDAY, JUNE 25, 2023 (CONTINUED)

Exhibit Hall Hours: 10:00 a.m.-4:00 p.m.  
Poster Hall Hours: 7:30 a.m.-6:00 p.m.

	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
3:15 p.m.- 4:15 p.m.	<b>Oral Presentations</b> Lipids <i>(Includes Livestream)</i> <b>Oral Presentations</b> Diabetic Kidney Disease <b>Oral Presentations</b> Neuropathy <b>Oral Presentations</b> Retinopathy	<b>Debate</b> What's the Verdict on Telehealth for Behavioral and Psychological Diabetes Care? <i>(Includes Livestream)</i> <b>Oral Presentations</b> Clinical Nutrition <b>Oral Presentations</b> Diabetes Education <b>Oral Presentations</b> Exercise	<b>Debate</b> Dual-Incretin Duel <i>(Includes Livestream)</i> <b>ePoster Theater</b> New Technologies <b>ePoster Theater</b> Pregnancy	<b>Oral Presentations</b> Epidemiology	<b>Oral Presentations</b> Beta-Cell Replacement	<b>Oral Presentations</b> Insulin Action/ Molecular Metabolism	<b>Debate</b> Aging-Related Metabolic Disease — Major Drivers and Therapeutic Strategies <i>(Includes Livestream)</i> <b>Oral Presentations</b> Metabolism, In Vivo (Animals)	
4:30 p.m.- 6:00 p.m.	<b>Panel Discussion</b> Current Controversies in the Primary Prevention of Diabetes Macrovascular Complications <i>(Includes Livestream)</i> <b>Symposium</b> Creating a World without Visual Loss from Diabetes	<b>Panel Discussion</b> Let's Talk Treatment — Discussing Options for Weight and Diabetes Management <b>Symposium</b> Joint ADA/ADCES Symposium — Implementing Technology into a Busy Practice — It Takes a Village! <i>(Includes Livestream)</i>	<b>Panel Discussion</b> Time-in-Range — Where Are We Headed in 2023? <i>(Includes Livestream)</i> <b>Symposium</b> Improving Outcomes for Adolescents with Type 2 Diabetes <b>Symposium</b> Oral Semaglutide for Treatment of Obesity and Type 2 Diabetes — Results from OASIS 1 and PIONEER PLUS Trials <i>(Includes Livestream)</i> <b>Oral Presentations</b> New Technologies	<b>Symposium</b> The Ongoing Impact of the DCCT/ EDIC Study at 40 Years	<b>Symposium</b> Controlling the Communicators — Cytokine-Specific Therapies to Preserve Beta-Cell Function in Type 1 Diabetes	<b>Symposium</b> Cellular Cross Talk Regulating Insulin Action <b>Symposium</b> How Sex Shapes Metabolism and Glucose Homeostasis	<b>Symposium</b> Chrononutrition for the Prevention and Treatment of Diabetes	<b>Symposium</b> Beta-Cell Identity from Prenatal Life to Death

Registration Hours: 7:30 a.m.-3:00 p.m.  
Shop Diabetes Store Hours: 7:30 a.m.-4:30 p.m.

DAY-AT-A-GLANCE SCHEDULE  
MONDAY, JUNE 26, 2023

Exhibit Hall Hours: 10:00 a.m.-2:00 p.m.  
Poster Hall Hours: 7:30 a.m.-2:00 p.m.

	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
8:00 a.m.-9:30 a.m.	<b>Symposium</b> SGLT2i and GLP-1RA in Cardiovascular Disease — An Update for Clinical Practice in 2023 <i>(Includes Livestream)</i>	<b>Panel Discussion</b> Empowering the Acute Care Team to Optimize Diabetes Care and Education  <b>Symposium</b> Able-Bodied Aging — Physical Activity Considerations for Older Adults with Diabetes	<b>Symposium</b> Joint ADA/ISPAD Symposium — Why Aren't All Guidelines the Same? A Focused Review of Recommendations from ISPAD 2022 and ADA 2023  <b>Symposium</b> ADA Symposium — Major Advances and Discoveries in Diabetes — The Year in Review <i>(Includes Livestream)</i>  <b>Symposium</b> NIDDK Early Career Investigator Symposium — Behavioral and Physiological Adaptations to Optimize Glucose Control with Technology — What Is Needed to Improve Outcomes and to Overcome Access and Adoption Barriers?	<b>Symposium</b> All the Omics — What Do They Tell Us about Diabetes?	<b>Symposium</b> Engineering and Site Consideration for Cell Therapy	<b>Symposium</b> Observing Metabolism through New Lenses	<b>Symposium</b> Single-Cell RNAseq Revolution — Decipher Metabolism One Cell at a Time  <b>Symposium</b> Metabolic Adaptation to Weight Loss in Humans	<b>Symposium</b> The Jekyll and Hyde of Inflammatory Signals in Islets <i>(Includes Livestream)</i>
9:45 a.m.-11:15 a.m.	National Scientific & Health Care Achievement Awards Presentation and Outstanding Scientific Achievement Award Lecture <i>(Includes Livestream)</i>							
11:30 a.m.-12:30 p.m.	<b>ePoster Theater</b> Hypoglycemia	<b>ePoster Theater</b> Psychosocial/Behavioral Medicine	<b>Professional Interest Group</b> Professional Interest Group Discussion on Diabetes Technology <i>(Includes Livestream)</i>  <b>Professional Interest Group</b> Professional Interest Group Discussion on Health Care Improvement — Best Practices in Implementing ADA's <i>Standards of Care in Diabetes</i> <i>(Includes Livestream)</i>  <b>Professional Development</b> Cultivating Provider Resiliency and Preventing Burnout <i>(Includes Livestream)</i>	<b>Professional Interest Group</b> Professional Interest Group Discussion on Public Health and Epidemiology — Have We Succeeded in Type 2 Diabetes Primary Prevention? A Debate	<b>Professional Interest Group</b> Professional Interest Group Discussion on Immunology, Immunogenetics, and Transplantation — Engineering Islets and Dealing with the Immune System <i>(Includes Livestream)</i>			
11:30 a.m.-12:30 p.m.				General Poster Session				
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.	<b>Panel Discussion</b> Joint ADA/ASN Symposium — How Do We Address the Psychosocial Determinants of Health in Diabetes and Kidney Disease? <i>(Includes Livestream)</i>  <b>Symposium</b> What Is the Best Approach to the Management of Painful Diabetic Neuropathy?  <b>Symposium</b> COORDINATE — Diabetes Study Results Symposium <i>(Includes Livestream)</i>	<b>Symposium</b> Exercise as Medicine — Physical Activity for Preventing and Managing Diabetes Complications  <b>Symposium</b> ADA Education Recognition Program (ERP) — Impact in Pregnancy — MOMs in Control of Diabetes of South Carolina	<b>Symposium</b> Extending Our Reach — Using Technology and Clinical Collaborations to Improve Outcomes  <b>Symposium</b> Overcoming Barriers to Diabetes Technology  <b>Symposium</b> Retatrutide (LY3437943), a Novel GIP/GLP-1/Glucagon Receptor Triagonist — Obesity, NAFLD, and T2D Phase 2 Trial Results <i>(Includes Livestream)</i>	<b>Symposium</b> Joint ADA/ <i>The Lancet</i> Symposium — Racial and Gender Inequalities — An International Perspective	<b>Symposium</b> Clinical Cell Therapy for Diabetes	<b>Oral Presentations</b> Insulin Action/ Molecular Metabolism	<b>Symposium</b> Exercise and Metabolic Health — Insight from Animal Studies  <b>Oral Presentations</b> Metabolism, In Vivo (Humans)	<b>Symposium</b> Let's Talk about Sex (Differences in Islet Biology) <i>(Includes Livestream)</i>

**Registration Hours: 7:30 a.m.-3:00 p.m.**  
**Shop Diabetes Store Hours: 7:30 a.m.-4:30 p.m.**

## DAY-AT-A-GLANCE SCHEDULE

### MONDAY, JUNE 26, 2023 (CONTINUED)

**Exhibit Hall Hours: 10:00 a.m.-2:00 p.m.**  
**Poster Hall Hours: 7:30 a.m.-2:00 p.m.**

	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
3:15 p.m.- 4:15 p.m.	<b>Symposium</b> Beyond Antihyperglycemic and Antihypertensive Agents for Diabetic Kidney Disease <i>(Includes Livestream)</i>	<b>Symposium</b> Updates in Diabetes and Fasting	<b>Debate</b> Shared Decision-Making Either Isn't Practiced or Isn't Working		<b>Debate</b> Comparing Beta-Cell Replacement vs. Artificial Pancreas — Smart Insulins with a Focus on New Innovations — Untested Technologies <i>(Includes Livestream)</i>			<b>Oral Presentations</b> Islet Biology/ Insulin Secretion
	<b>Symposium</b> Doc, Is My GLP-1 Med Making My Sight Worse? New Considerations in Management of Diabetic Retinopathy <i>(Includes Livestream)</i>		<b>Symposium</b> Is Metabolic Surgery or Lifestyle/ Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARMMS-T2D Randomized Trial after 7–15 Years of Follow-Up <i>(Includes Livestream)</i>					
	<b>Symposium</b> Early Diagnosis of Diabetes Cardiomyopathy (DbCM) — What Can Be Done?		<b>Symposium</b> Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement					



SCIENTIFIC PROGRAM

FRIDAY, JUNE 23

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

- **Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)**  
Robert A. Gabbay, MD, PhD  
*Keynote Speaker Address*  
Francis S. Collins, MD, PhD  
*Panel Discussion*  
Robert A. Gabbay, MD, PhD  
Francis S. Collins, MD, PhD  
Griffin Rodgers, MD, MACP  
William T. Cefalu, MD

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

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

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

- **To Eat or Not to Eat? Fasted vs. Postprandial Exercise for Glycemic Management (Includes Livestream)**  
*Eat — Postprandial Exercise Is More Effective for Blood Glucose Management*  
Jenna B. Gillen, PhD  
*Eat Not — Fasted Exercise Is More Effective for Blood Glucose Management*  
Normand G. Boulé, PhD  
*Rebuttal*  
Jenna B. Gillen, PhD  
*Rebuttal*  
Normand G. Boulé, PhD  
*Question and Discussion Period*
- **Are Two Better than One? Initial Combination Therapy in Type 2 Diabetes Mellitus (Includes Livestream)**  
*Pro*  
Ralph A. DeFronzo, MD  
*Con*  
David M. Nathan, MD  
*Rebuttal*  
Ralph A. DeFronzo, MD  
*Rebuttal*  
David M. Nathan, MD  
*Question and Discussion Period*

- **Overcoming Therapeutic Inertia — Leveraging the Diabetes Care Interprofessional Team (Includes Livestream)**  
*Panel Discussion*  
Sandra Leal, PharmD, MPH, FAPhA  
Lucia Novak, MSN, ANP-BC, BCADM, CDTc  
*Question and Discussion Period*
- **Where Lie the Keys to Type 2 Diabetes Prevention? Population Health or Personalized Medicine? (Includes Livestream)**  
*Population Health Approaches*  
Sridharan Raghavan, MD, PhD  
*Personalized Medicine Approaches*  
Sridharan Raghavan, MD, PhD  
*Question and Discussion Period*
- **Oral Presentations**
- **2:00 p.m.-3:30 p.m.**
- **Management of the Athlete with Diabetes (Includes Livestream)**  
*Physiology, Metabolism, and Training Behaviors of the Competitive Athlete Living with Type 2 Diabetes*  
Michael Riddell, PhD  
*Clinical Strategies to Support the Developing Athlete with Type 1 Diabetes*  
Lori M. Laffel, MD, MPH
- **Oral Presentations**
- **Edwin Bierman Award Lecture (Includes Livestream)**  
Elizabeth J. Parks, PhD
- **Richard R. Rubin Award Lecture (Includes Livestream)**  
Deborah Young-Hyman, PhD, FTOS, FeI, SBM, CDCES

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

- **Real-World Hypoglycemia in Older Adults with Diabetes**  
*Real-World Epidemiology and Diverse Impacts of Hypoglycemia in Older Adults with Diabetes*  
Alexandria Ratzki-Leewing, PhD  
*Therapeutic and Technological Options to Prevent Hypoglycemia in Older Adults with Diabetes — Gaps and Opportunities*  
Anna Kahkoska, MD, PhD  
*System-Level Intervention to Improve Hypoglycemia Management in Older Adults with Diabetes*  
Kasia J. Lipska, MD, MHS, BS
- **Efficacy, Engagement, and Sustainability of Dietary Management Options in Type 2 Diabetes — Time for a Reappraisal?**  
*Weight Loss via Low-Calorie Diet — Insight into the Causative Mechanisms of Type 2 Diabetes Using MRI*  
Roy Taylor, MD  
*Very Low Carbohydrate Diets for Management of Type 2 Diabetes*  
Glycemic Excursion Minimization (GEM) — A Paradigm Shift in the Management of Type 2 Diabetes  
Daniel Cox, PhD
- **Translating Psychosocial Care into Real-World Practice Settings**  
*Psychosocial and Behavioral Screening in Real-World Pediatric Type 1 Diabetes Care*  
*Intervening to Improve Diabetes Distress among Adults with Type 1 and Type 2 Diabetes*  
Lawrence Fisher, PhD, ABPP  
*Family-Based Intervention to Support Transitioning from Pediatric to Adult Type 1 Diabetes Care*  
*Peer-Support Models for Diabetes Management Support in Real-World Practice*  
Tricia S. Tang, PhD, RPsych  
*Question and Discussion Period*

- **Interactive Case Studies — AID Systems — Which Setting Would You Change? (Includes Livestream)**  
*Introductory Lecture on Systems and Resources*  
Sue A. Brown, MD  
*Considerations When Switching between AID Devices*  
Elizabeth Beck, MS, RD, CDCES  
*How to Get the Best of AID during Exercise*  
Dessi P. Zaharieva, PhD  
*Steroids, Sick Days, and Stress*  
Natalie Bellini, MSN, FNP-BC, CDCES  
*Question and Discussion Period*
- **Remission or Bust!**  
*Remission or Bust!*  
Vanita R. Aroda, MD  
Sangeeta Kashyap, MD  
Hertzel C. Gerstein, MD, MSc, FRCPC
- **Genetics of Glucose Metabolism in Pregnancy**  
*Genetics of Gestational Glucose Homeostasis — An Overview*  
William L. Lowe, Jr., MD  
*Maternal and Fetal Genetic Contributions to Birth Weight and Fetal Phenotype*  
Alice Hughes, BMBS, BSc  
*Controversies in Clinical Management of Monogenic Diabetes in Pregnancy*  
Andrew T. Hattersley, FRCP, FMedSci, FRS
- **Glucagon Fest**  
*New Glucagon Formulations*  
Leah M. Wilson, MD  
*Glucagon Use during Exercise*  
Rémi Rabasa-Lhoret, MD, PhD  
*Glucagon in a Bihormonal Bionic Pancreas System*  
Edward Damiano, PhD
- **SURMOUNT 2 Trial Results and Potential Role of Tirzepatide in Treating Obesity in Type 2 Diabetes (Includes Livestream)**  
*Current Therapeutic Landscape for Treating Obesity in Type 2 Diabetes — Two Diseases Each Requiring Optimal Therapy*  
W. Timothy Garvey, MD, MACE  
*Tirzepatide and The Rationale, Pharmacology, and Mechanism of Multifunctional Peptides*  
Matthias H. Tschöp, MD



- SURMOUNT 2 — Rationale, Hypotheses, and Study Design*  
Juan Pablo Frias, MD  
*SURMOUNT 2 — Efficacy Data*  
W. Timothy Garvey, MD, MACE  
*SURMOUNT 2 — Safety Data*  
Naveed Sattar, MD, PhD  
*Putting SURMOUNT 2 Results in Context and Implications Regarding Treatment of Patients Having Both Obesity and Type 2 Diabetes*  
Ildiko Lingvay, MD, MPH, MSCS  
*Question and Discussion Period*
- **Immigration and Diabetes — Diabetes Risk, Prevention, and Management in a Changing American Landscape (Includes Livestream)**  
*Diabetes Risk in Immigrant Communities — One Size Does Not Fit All*  
Aimee Afable, PhD, MPH  
*Diabetes Risk and Resilience — The Immigrant Generation Gap*  
Megha K. Shah, MD, MSc  
*The Importance and Influence of Culture on Diabetes Prevention and Management — How to Tailor the Intervention to the Lifestyle*  
Mary Beth Weber, PhD, MPH  
*English Proficiency and Access to Care — Challenges and Solutions*  
Alicia Fernandez, MD  
*Question and Discussion Period*
- **The Quest to Delay or Prevent Type 1 Diabetes Onset — Recent Interventional Trials (Includes Livestream)**  
*Prevention Trials in Type 1 Diabetes*  
Stephen E. Gitelman, MD  
*Abatacept in the Prevention of Type 1 Diabetes*  
William E. Russell, MD  
*Hydroxychloroquine in the Prevention of Type 1 Diabetes*  
Ingrid Libman, MD, PhD  
*Oh, the Place We'll Go — Reflections of Past Experience and Future Opportunities and Challenges*  
Carla Greenbaum, MD  
*Question and Discussion Period*

- **Designer Beta Cells**  
*Introduction — Current State and Future Needs of Beta-Cell Replacement in Diabetes*  
M. Cristina Nostro, PhD  
*How Do We Manage Immunogenicity?*  
Audrey Parent, PhD  
*Designing a Cell Source for the Future*  
Heiko Lickert, PhD  
*Are There Other Cell Sources Beyond ESC and iPSC?*  
Qiao Zhou, PhD  
*Question and Discussion Period*
- **Interoception — Conversations with Adipocytes**  
*Role of the Brain*  
Brown Adipose FDG Imaging  
Neuronal Control of Thermogenesis  
Gary J. Schwartz, PhD  
*Energy Balance and Metabolic Set Points*  
Supriya Srinivasan, PhD  
*Question and Discussion Period*
- **Welcome to Exosomes — Their Role in Obesity**  
*Introduction to Exosomes — Production and Cargo*  
C. Ronald Kahn, MD  
*Adipose Tissue Macrophage Exosomes and Adipogenesis*  
Wei Ying, PhD  
*Adipocyte Exosomes and Metabolic Function*  
Philipp E. Scherer, PhD  
*Human Data on Exosomes*  
Dmitri Samovski, PhD  
*Question and Discussion Period*
- **Diabetic Myopathy and Muscle Metabolism**  
*Impact of Diabetes and Metformin on Muscle Quality and Satellite Cell Function*  
Jean Farup, PhD  
*Sex Differences in Muscle Insulin Resistance*  
Nida Haider, PhD  
*Muscle Health and Recovery from Exercise in Type 1 Diabetes*  
Irena Rebalka, PhD  
*Question and Discussion Period*



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

- **Should We Curb the Carbs? (Includes Livestream)**  
*Very Low Carbohydrate Eating Is Best*  
 William S. Yancy, Jr., MD, MHS  
*Moderate Carbohydrate Eating Is Best*  
 Carol Kirkpatrick, PhD, MPH, RDN, CLS, FNLA  
*Rebuttal*  
 William S. Yancy, Jr., MD, MHS  
*Rebuttal*  
 Carol Kirkpatrick, PhD, MPH, RDN, CLS, FNLA  
*Question and Discussion Period*
- **Do-It-Yourself (DIY) Devices vs. Commercial Closed-Loop Systems for Managing Type 1 Diabetes (Includes Livestream)**  
*DIY Is an Essential Option in Type 1 Diabetes Management*  
 Dana M. Lewis  
*DIY Is Not Necessary in Type 1 Diabetes Management*  
 Gregory P. Forlenza, MD, MS  
*Rebuttal*  
 Dana M. Lewis  
*Rebuttal*  
 Gregory P. Forlenza, MD, MS  
*Question and Discussion Period*
- **Hope or Hype — Role of Microbiome in Obesity (Includes Livestream)**  
*Microbiome Is Key for Obesity*  
 Max Nieuwdorp, MD, PhD  
*Microbiome Is All Hype*  
 Max Nieuwdorp, MD, PhD  
*Question and Discussion Period*

■ Oral Presentations

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

- **ADA Networking Reception**

SATURDAY, JUNE 24

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

- **The Goldilocks Paradigm of Physical Activity and the Foot in Persons with Diabetes (Includes Livestream)**  
*Every Step Matters — Historical Perspective on the Association between Physical Activity and Diabetes Foot Ulcers*  
 David G. Armstrong, DPM, MD, PhD  
*How Much Is Too Much? Physical Activity Recommendations for Persons with Diabetes Foot Disease*  
 Shaima Alothman, PT, PhD  
*Physiological Considerations and Physical Activity Goals in Persons with Diabetes Foot Disease*  
 Kristin Schneider, PhD
- **Implementation of Guideline-Directed Medical Therapy for Cardiometabolic Disease — Emerging Multidisciplinary Initiatives**  
*Where We Fall Short — Current Gaps in the Management of Cardiometabolic Disease*  
 Muthiah Vaduganathan, MD, MPH  
*Training at Intersections — The Cardiometabolic Fellowship*  
 Robert H. Eckel, MD  
*One Stop Shop — The Cardiometabolic Clinic*  
 Mikhail N. Kosiborod, MD  
*Scaling Expertise — Pharmacist-Led Population Health within Cardiology*  
 Pharmacoequity — Strategies to Ensure Equitable Implementation of Guideline-Directed Medical Therapy  
 Rohan Khera, MD, MS  
*Question and Discussion Period*
- **Behavioral Markers of Diabetes Self-Management — State of the Science and Measurement Controversies — Honoring the Legacy of Mark Peyrot**  
*Measuring Self-Management Behaviors via Self-Report and (or vs.?) Technology*  
 Measuring Self-Management Behaviors via Ecological Momentary Assessment  
 Measuring Sleep in Diabetes  
 Measuring Dietary Intake and Dietary Quality  
 Measuring Physical Activity and Sedentary Behavior with Actigraphy  
*Question and Discussion Period*

- **The Heart of the Matter — Cardiovascular Health during Pregnancy and Beyond**  
*Hypertension in Pregnancy — Updates and Controversies*  
 Kartik Venkatesh, MD, PhD  
*Hypertriglyceridemia in Pregnancy — Pathophysiology, Monitoring, and Treatment*  
 Neha Pagidipati, MD, MPH  
*Breastfeeding and Future Cardiometabolic Health*  
 Erica P. Gunderson, PhD, MS, MPH
- **Overcoming Obstacles in Diabetes Management**  
*Housing and Financial Insecurity*  
 Cindy Leung, ScD, MPH  
*Physical and Cognitive Impairment*  
 Ruth S. Weinstock, MD, PhD  
*Eating Disorders*  
 Amy B. Criege, MD, MS  
*Use of Antipsychotic Medications*  
 Richard I.G. Holt, PhD, FRCP  
*Question and Discussion Period*
- **Continuous Glucose Monitoring in Type 2 Diabetes — Are We There Yet? (Includes Livestream)**  
*Is There a Role for CGM in Prediabetes and Obesity?*  
 Anders L. Carlson, MD  
*Role of Continuous Glucose Monitoring in Non-Insulin Requiring Type 2 Diabetes*  
 Ronnie Aronson, MD  
*IsCGM vs. RtCGM in Insulin-Treated Type 2 Diabetes*  
 Janet B. McGill, MD
- **Diabetes in the Child with Obesity**  
*Management of Youth with Obesity and Type 1 Diabetes*  
 Michelle A. Van Name, MD  
*Defining Diabetes Type — Is It Type 2 or Secondary Diabetes?*  
 Tamara S. Hannon, MD  
*The Latest Outcomes from the TODAY Study*  
 Rachelle Gandica, MD

- **ADA Diabetes Care Symposium — Social Determinants of Health — Impact on Diabetes Development and Care**  
*Overview of Social Determinants of Health in the Development of Diabetes*  
 Felicia Hill-Briggs, PhD, ABPP  
*Food Insecurity and Diabetes*  
 Neighborhood Physical Environment and Social Cohesion and Diabetes Prevalence and Care  
 Economic Adversity as a Driver of Outcomes for Individuals with Diabetes  
*Question and Discussion Period*
- **The Road Less Traveled — U.S. Ruralty and Diabetes**  
*Burden and Epidemiology of Diabetes in Rural America*  
 Alva Ferdinand, DrPH, JD  
*Neighborhood Socioeconomic Environment and Influence on Diabetes*  
 Gillian L. Booth, MD, MSc  
*Rural-Urban Trends in Diabetes Management*  
 Giuseppina Imperatore, MD, PhD  
*Risks Underlying Rural Areas*  
 Longitudinal (RURAL) Study — Collaborative Effort to Understand Rural Health  
 Vasani S. Ramachandran, MD, DM, FACC, FAHA  
*Question and Discussion Period*
- **Type 1 Diabetes through Another Lens — Lessons from Other Disease Settings (Includes Livestream)**  
*Type 1 Diabetes Pathology Revealed through ICI-T1D Animal Models*  
 Arabella Young, PhD  
*Type 1 Diabetes Pathology Revealed through Checkpoint Inhibition in Cancer*  
 Halis K. Akturk, MD  
*Type 1 Diabetes in Primary Immunodeficiencies*  
 Martin Thelin, MD, PhD  
*Type 1 Diabetes Pathology Revealed through Celiac Disease*  
 Edwin Liu, MD  
*Question and Discussion Period*

- **Mitochondrial Metabolism and Glucose Homeostasis**  
*Insulin Signaling and Mitochondrial Metabolism*  
 Paul M. Titchenell, PhD  
*Mitochondrial Fatty Acid Synthesis*  
 Sara Nowinski, PhD  
*Pyruvate Uptake and Mitochondrial Metabolism*  
 Eric B. Taylor, PhD  
*Mitochondrial Metabolic Flux and Fatty Acid Metabolism*  
 Jessica M. Ellis, PhD  
*Question and Discussion Period*
- **Beyond “Calories In, Calories Out” in Treating Obesity (Includes Livestream)**  
*Supersize Me! The Role of Portion Sizes on Energy Intake*  
 Barbara Rolls, PhD  
*Animal vs. Vegetable — Does Food Type Matter?*  
 Christopher Gardner, PhD  
*Highly-Processed Foods Tipping the Scale of Energy Balance*  
 Kevin D. Hall, PhD  
*Question and Discussion Period*
- **Endoplasmic Reticulum (ER) — Stressed-Out Beta Cells**  
*Genetic Evidence for Beta-Cell ER Stress in Diabetes*  
 Elisa De Franco, PhD  
*Role of ATF6 in Beta Cells?*  
 Feyza Engin, PhD  
*Pharmacological Targeting of ER Stress in Diabetes*  
 Feroz R. Papa, MD, PhD

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

- **ADA Chief Executive Officer Remarks (Includes Livestream)**  
 Charles Henderson
- **President, Health Care & Education Address (Includes Livestream)**  
 Janet Brown-Friday, RN, MSN, MPH
- **Outstanding Educator in Diabetes Award Lecture (Includes Livestream)**  
 A. Enrique Caballero, MD

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

- **Professional Interest Group Discussion on Foot Care (Includes Livestream)**  
*Welcome and Introduction*  
 Shelley C. Gath, DPM  
*Addressing Social Determinants of Health to Reduce Amputation Rates*  
 Lyssa Ochoa, MD  
*When Resources Are Scarce — How to Manage PAD in Rural and Underserved Communities*  
 Foluso Fakorede, MD  
*Question and Discussion Period*
- **Professional Interest Group Discussion on Exercise Physiology — Lactate Reimagined — More than Just a Waste Product**  
*Welcome and Introduction*  
 Lisa S. Chow, MD, MS  
*Lactate Effects Beyond the Muscle*  
 Jonathan Z. Long, PhD  
*Lactate as a Fulcrum for Metabolism*  
 George A. Brooks, PhD
- **Professional Interest Group Discussion on Nutritional Sciences and Metabolism — Novel Methods of Dietary Assessment**  
*Welcome and Introduction*  
 Ranee Chatterjee Montgomery, MD, MPH  
*Metabolites as Markers of Dietary Intake*  
 Modernization of Traditional Tools for Dietary Assessments  
*Question and Discussion Period*
- **Professional Interest Group Discussion on Women’s Interprofessional Network of the ADA (WIN ADA) — Amplifying Women’s Voices in the Diabetes Workforce — A Panel Discussion (Includes Livestream)**  
*Welcome and Introduction*  
 Paige C. Geiger, PhD  
*Amplifying Women’s Voices in the Diabetes Workforce*  
 Eden Miller, DO  
 Jill Weissberg-Benchell, PhD, CDCES  
 Sue-Ellen Anderson-Haynes, MS, RDN, CDCES

- **Professional Interest Group Discussion on Pregnancy and Reproductive Health — Metformin Use in Type 2 Diabetes during Pregnancy — A Debate (*Includes Livestream*)**

Welcome and Introduction  
Camille E. Powe, MD  
Jami L. Josefson, MD, MS

*Patients with Type 2 Diabetes Should Take Metformin during Pregnancy*  
Denice Feig, MD, MSc, FRCPC

*Patients with Type 2 Diabetes Should Not Take Metformin during Pregnancy*  
Ashley Battarbee, MD

*Rebuttal*  
Denice Feig, MD, MSc, FRCPC  
*Rebuttal*  
Ashley Battarbee, MD

*Question and Discussion Period*

- **Professional Interest Group Discussion on Clinical Centers and Programs**

Welcome and Introduction  
Ali A. Rizvi, MD

*A Model for Future Clinical Diabetes Centers of Excellence*  
Boris Draznin, MD, PhD

*Question and Discussion Period*

- **Learn How to Pitch Your Entrepreneurial Idea and Get Funding**

- **Professional Interest Group Discussion on Islet Biology Development and Function — Alpha, Beta, and Delta Cells of the Islets — More than Just Neighbors (*Includes Livestream*)**

Welcome and Introduction  
Jeffery S. Tessem, PhD

*Emerging Roles and Interactions of Alpha Cells in Islet Function*  
Alvin C. Powers, MD

*Emerging Roles and Interactions of Beta Cells in Islet Function*  
Carmella Evans-Molina, MD, PhD

*Emerging Roles and Interactions of Delta Cells in Islet Function*  
Mark Huising, PhD

*Question and Discussion Period*

- **ePoster Theaters**

- **General Poster Session**

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

- **ePoster Theaters**

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

- **Interactive Case Studies — Optimizing Diabetes Technology in Special Populations (*Includes Livestream*)**

*Is Continuous Glucose Monitoring Reliable in Chronic Kidney Disease?*  
Rodolfo J. Galindo, MD

*Leveraging Accessibility Features for Individuals with Low Vision/Hearing Loss*

*Solutions for Individuals with Loss of Dexterity*  
Davida F. Kruger, MSN, APN-BC, BC-ADM

*Optimizing Technology for Individuals with Intellectual Disability*  
Nicholas R. Galloway, BSN, RN, CDCES

*Question and Discussion Period*

- **Oral Presentations**

- **Roger Pecoraro Award Lecture (*Includes Livestream*)**  
Tze-Woei Tan, MBBS, MPH, FACS

- **ePoster Theaters**

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

- **Kelly West Award for Outstanding Achievement in Epidemiology Lecture (*Includes Livestream*)**  
Alka M. Kanaya, MD

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

- **The Future Is Now — Artificial Intelligence and Diabetes Foot Disease**

*The Future Is Now — Artificial Intelligence and Diabetes Foot Disease*  
Bijan Najafi, PhD

Loretta Vileikyte, MD, PhD  
Barbara J. Aung, DPM, DABPM, CWS, CPMA, CSFAC  
Gary M. Rothenberg, DPM

- **Hypoglycemia as a Quality Measure — Rationale, Challenges, and Opportunities**

*Primary Care Perspective*  
Sean Oser, MD, MPH

*Endocrinology Perspective*  
Amisha Wallia, MD, MS

*ADA Perspective*  
Guillermo E. Umpierrez, MD, CDCES, FACE, MACP

*Private Insurance Perspective*  
William H. Herman, MD, MPH

*CMS Perspective*  
Kasia J. Lipska, MD, MHS, BS

*NCQA Perspective*  
Caroline Blaum, MD, MS

- **Above and Beyond the Regular Lipid Panel — Are Additional Measurements Really Needed?**

*More Specific Lipoprotein Measurements — Are They a Waste of Time and Money or Do They Personalize Lipid Management?*  
Samia Mora, MD, MHS

*Lipoprotein Disorders — When Do We Need Genetic Testing?*  
Bertrand Cariou, MD, PhD

*When to Use Coronary Artery Calcium and New Imaging to Complement Lipid Panels*

Joseph Yeboah, MB, ChB

- **The Evolving Clinical Spectrum of Diabetic Neuropathy**

*When Does the Neuropathy Start?*  
Troels Staehelin Jensen, MD, DMSc

*Update on Mechanisms*  
Mark A. Yorek, PhD

*When Does Diabetic Peripheral Neuropathy Interconnect with Autonomic Neuropathy?*

Kara R. Mizokami-Stout, MD

*Question and Discussion Period*

- **Nutrition in Pregnancy — Is Low-Carb a No-Go?**

*Pro — There May Be a Role for Reduced-Carbohydrate Meal Plans for Some Pregnant Women with Diabetes*  
Amy M. Valent, DO, MCR

*Con — There Is No Role for Reduced-Carbohydrate Meals Plans in the Treatment of Diabetes in Pregnancy*  
Teri L. Hernandez, PhD, RN

*Rebuttal*  
Amy M. Valent, DO, MCR

*Rebuttal*  
Teri L. Hernandez, PhD, RN

*Question and Discussion Period*

- **Technology or Immunomodulation — The Best Course for Management of Type 1 Diabetes**

*Technology Is the Way Forward*  
Antoinette Moran, MD

*Let's Preserve Beta Cells*  
Michael J. Haller, MD

*Rebuttal*  
Antoinette Moran, MD

*Rebuttal*  
Michael J. Haller, MD

*Question and Discussion Period*

- **What Can Diabetes Quality Teams Learn from Engineers and Designers?**

*What Can Diabetes Quality Teams Learn from Engineers and Designers?*  
Edmond Ramly, PhD  
Osagie Ebekozien, MD, MPH, CPHQ

- **Diabetes Endotypes — Defined by DNA?**

*Endotypes of Type 2 Diabetes*  
Emma Ahlqvist, PhD

*Endotypes of Ketosis-Prone Diabetes*  
Ashok Balasubramanyam, MD

*Monogenic Diabetes Endotypes*  
Rinki Murphy, PhD

*Endotypes of Prediabetes*  
Robert Wagner, MD

*Question and Discussion Period*

- **The New Normal — Perspectives on Treatment and Trials as Immunotherapies Enter the Type 1 Diabetes Clinical Landscape (*Includes Livestream*)**

*Teplizumab in the Prevention and Delay of Type 1 Diabetes*

Kevan C. Herold, MD

*Consortia Representative*  
Linda DiMeglio, MD, MPH

*Midsize Practice Representative*  
Bryce A. Nelson, MD, PhD

*Smaller/Private Practice Representative*  
Kurt J. Griffin, MD, PhD

*Patient Advocate*  
Annie Schultz

- **Twitter Bugs — Dancing between the Carbohydrate–Insulin and Energy-Balance Models (*Includes Livestream*)**

*Carbohydrate Insulin Model (CIM)*

*Energy Balance (EB) Model*

- **Only Time Will Tell — Early Eating or Just Eating? (*Includes Livestream*)**

*The Value of Eating Early*  
Courtney M. Peterson, PhD, MSc, MA, MS

*A Calorie Is a Calorie, Regardless of Timing*  
Alexandra Johnstone, PhD

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

*Rebuttal*  
Alexandra Johnstone, PhD

*Question and Discussion Period*

- **Is It Time to Revise Our Thinking on the Role of the K(ATP) Channel in Insulin Secretion?**

*Evidence for the Canonical Model*  
Patrik Rorsman, BM, PhD, FRS, FMedSci

*Evidence for a New Spatially and Temporally Compartmentalized Model*  
Barbara E. Corkey, PhD

*Rebuttal*  
Patrik Rorsman, BM, PhD, FRS, FMedSci

*Rebuttal*  
Barbara E. Corkey, PhD

*Question and Discussion Period*

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

- **Innovation Challenge (*Includes Livestream*)**  
*Note: Continuing Education Credit is not awarded for this session*

- **Joint ADA/AACC Symposium — Hyperglycemia in the Hospital — Are Our Tools for Measurement Accurate Enough?**

*What Should Glucose Targets Be?*  
Mary T. Korytkowski, MD

*Blood Glucose Meters in the Hospital — Are They Good Enough?*  
David B. Sacks, MB, ChB

*Continuous Glucose Monitors in the Hospital — Are They Good Enough?*  
Guido Freckmann, MD

- **Joint ADA/EASD Symposium — Precision Medicine in Diabetes (PMDI) (*Includes Livestream*)**

*Precision Medicine in Monogenic Diabetes*

Rochelle N. Naylor, MD

*Precision Medicine in Type 1 Diabetes*  
Heba M. Ismail, MB, BCh, PhD

*Precision Medicine in Gestational Diabetes*

Zhila Semnani-Azad, PhD

*Precision Medicine in Type 2 Diabetes*  
Shivani Misra, MD, PhD

*Question and Discussion Period*

- **Multiancestry Genome-Wide Association Studies (GWAS) and Polygenic Risk Score (PRS)**

*Multiancestry GWAS for Glycemic Traits*  
Inês Barroso, PhD

*Multiancestry GWAS for Type 2 Diabetes*

Cassandra Spracklen, PhD

*D-PRISM PRS of Diabetes and Related Traits*

Alisa Manning, PhD

- **Oral Presentations**

- **ePoster Theater**



SUNDAY, JUNE 25

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

- **New Treatment Possibilities for Cardiovascular Residual Risk in Diabetes? (Includes Livestream)**  
*Do Triglycerides Contribute to Residual Cardiovascular Disease Risk in Diabetes?*  
Anne Tybjaerg-Hansen, MD, DMSc  
*ANGPTL3 vs. APOC3 as a Therapeutic Target?*  
Jan Borén, MD, PhD  
*What Is the Evidence That Lp(a) Is Significant in Diabetes Risk Assessment?*  
Calvin Yeang, MD, PhD
- **Diabetes Kidney Disease in Type 1 and Type 2 Diabetes — The Same Disease?**  
*Structural and Molecular Differences from Kidney Biopsies in Persons with Type 1 Diabetes and Type 2 Diabetes*  
Viji Nair, MS  
*Histopathological Features of Type 1 Diabetes “Resistors” in the Kidney Precision Medicine Project*  
Sylvia Rosas, MD, MSCE  
*Can We Extrapolate Findings from Type 2 Diabetes Trials to Type 1 Diabetes?*  
Anand Srivastava, MD, MPH  
*Question and Discussion Period*
- **The NIDDK Diabetic Foot Consortium — So People with Diabetes May Stand Firm**  
*The Diabetic Foot Consortium — The Scope and Opportunities for Diabetic Foot Ulcer Research — Past, Present, and Future*  
Teresa Jones, MD  
*Does a Defect in Barrier Function of the Repaired Skin Predict Diabetic Foot Ulcer Recurrence?*  
Chandan Sen, PhD  
*From Freezer to Plates — Metagenomics Technique to Identify Foot Infection and Move Beyond the Culture Plate*  
Brian M. Schmidt, DPM

- Discovering Diabetic Foot Ulcer Biomarkers from the Circulating Proteome*  
Monika Niewczas, MD, PhD, MPH  
*Walking in Someone Else’s Shoes — Health Disparities in Diabetic Foot Ulcers*  
Michael S. Conte, MD  
*Panel Discussion*  
Teresa Jones, MD  
Chandan Sen, PhD  
Michael S. Conte, MD  
Cathie Spino, ScD
- **Hot Topics in Nutrition — What’s the Evidence? (Includes Livestream)**  
*Food as Medicine*  
Seth A. Berkowitz, MD, MPH  
*How to Talk Diabetes Nutrition in Five Minutes or Less*  
Ka Hei Karen Lau, MS, RDN, LDN, CDCES  
*Binge-Eating Disorder and Weight Stigma*  
Meg Salvia, MS, RDN, CDCES
- **Do Quality Improvement Efforts Reduce Health Care Disparities?**  
*Do Quality Improvement Efforts Reduce Health Care Disparities?*  
Ashley Butler, PhD
- **Automated Insulin Delivery Use among Pregnant Women with Type 1 Diabetes — Past, Present, and Future**  
*Where We Started and Where We Are Now*  
Helen R. Murphy, MB, BCh, BAO, MD, FRACP  
*Evaluation of a Pregnancy-Specific Algorithm*  
Carol J. Levy, MD, CDCES  
*Evidence and Practical Tools for Using Commercially Available Systems in Pregnancy*  
Sarit Polsky, MD, MPH  
*Looking Towards the Future — Ongoing Studies*  
Denice Feig, MD, MSc, FRCPC  
*Question and Discussion Period*

- **Transforming Therapy with Ultra-Long-Acting Insulins**  
*Rationale and Proof-of-Concept*  
Juan Pablo Frias, MD  
*Clinical Trials Update*  
Ildiko Lingvay, MD, MPH, MSCS  
*Clinical Perspectives — Patient and Provider*  
Chantal Mathieu, MD, PhD  
*Future Outlook for Ultra-Long-Acting Insulins*  
Ronald Goldenberg, MD  
*Question and Discussion Period*
- **Updates in ADA’s Standards of Care in Diabetes — 2023 (Includes Livestream)**  
*Updates in ADA’s Standards of Care in Diabetes — 2023*  
*ADA Insights and Initiatives (Guidelines Dissemination)*  
Adham Abdel Mottalib, MD  
*Question and Discussion Period*
- **Joint ADA/JDRF Symposium — Global Perspective on Population Level Type 1 Diabetes Screening and Monitoring**  
*Screening and Monitoring Perspectives from Germany*  
Anette-Gabriele Ziegler, MD  
*Screening and Monitoring Perspectives from the United States*  
Cristy Geno Rasmussen, MPH, PhD  
*Screening and Monitoring Perspectives from Northern Europe*  
Riita Veijola, MD, PhD
- **Real-World Data in Diabetes Research — Promise or Peril?**  
*Practical Tools for Evaluation of Real-World Evidence in Diabetes Research*  
Alan Kinlaw, PhD  
*Real-World Data and Regulatory Decision Making in Diabetes Therapeutics*  
Shirley Wang, PhD  
*New Frontiers for Diabetes Research — The OpenSAFELY Platform (Open Access Platform for EHR Data in England)*  
*Diabetes Surveillance Using EHR Data — The DiCAYA Study*  
Kristi Reynolds, PhD, MPH, FAHA, FACE  
*Question and Discussion Period*

- **It’s About Time — Eating and Exercising in Metabolic Health**  
*Circadian Rhythms, Time-Restricted Eating, and Metabolic Health*  
Lisa S. Chow, MD, MS  
*Time-Restricted Feeding Improves Cardiometabolic Profiles*  
Kylie Kavanagh, DVM, MS, MPH  
*Circadian Rhythm and Metabolism*  
Aalim Weljie, PhD  
*Acute Exercise Modifies the Hepatic Proteome and Metabolic Flux*  
*Question and Discussion Period*
- **Nutrient-Stimulated Hormones — Anti-Obesity Pharmacotherapy Game Changers (Includes Livestream)**  
*Contribution of Gastric Inhibitory Peptide and Glucagon in Dual and Triple Agonism*  
Jonathan Campbell, PhD  
*Role for Amylin in Monotherapy and Combination Therapy*  
David C.W. Lau, MD, PhD, FRCPC, FTOS  
*Contribution of PYY in Combination Treatment with GLP-1*  
Tricia M. Tan, BSc, MB, ChB, FRCP, PhD, FRCPath  
*Clinical Implications of Nutrient-Stimulated Hormone Pharmacotherapy*  
Ania M. Jastreboff, MD, PhD  
*Question and Discussion Period*
- **ADA Diabetes Journal Symposium — Staying in Network — Adipocyte Communication in Regulation of Energy Balance**  
*The Role of Somatosensory Innervation of Adipose Tissues*  
Li Ye, PhD  
*Exercise-Induced Mediators of Body Adiposity*  
Jonathan Z. Long, PhD  
*Mitochondrial Dynamics, Diabetes, and Cardiovascular Disease*  
Renata Pereira, PhD  
*Adipsin and Beta-Cell Function*  
James C. Lo, MD, PhD  
*Question and Discussion Period*

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

- **President, Medicine & Science Address (Includes Livestream)**  
Rodica Pop-Busui, MD, PhD
- **Banting Medal for Scientific Achievement (Includes Livestream)**  
Matthias H. Tschöp, MD
- 11:30 a.m.-12:30 p.m.
- **Professional Interest Group Discussion on Diabetes and Cardiovascular Disease — SGLT2 Inhibitors — Innovative Research to Inform Clinical Practice (Includes Livestream)**  
*Welcome and Introduction*  
Tracey H. Taveira, PharmD, CDOE, CVDOE  
*SGLT2 Inhibitor Effects on Inflammation and Heart Disease in Obesity*  
Mona Mashayekhi, MD, PhD  
*SGLT2 Inhibitors and Cardiac Remodeling*  
Subodh Verma, MD, PhD, FRCSC  
*SGLT2 Inhibitors — Further Evidence for Heart Failure with Preserved Ejection Fraction as a Metabolic Disease?*  
Justin Echouffo Tcheugui, MD, PhD
- **Professional Interest Group Discussion on Eye Health**  
*Welcome and Introduction*  
Risa M. Wolf, MD  
*Treatment of Diabetic Retinopathy*  
Blake A. Cooper, MD  
*Diabetic Retinopathy Results from the TODAY Study*  
Rose Gubitosi-Klug, MD, PhD

- **Professional Interest Group Discussion on Behavioral Markers of Diabetes Self-Management — Perspectives from Clinicians and People with Diabetes**  
*Welcome and Introduction*  
Carla K. Miller, PhD, RD  
*Measuring Diabetes Self-Management Behaviors — Perspectives from an Adult Clinician*  
Jennifer Marshall, PhD  
*Measuring Diabetes Self-Management Behaviors — Perspectives from a Pediatric Clinician*  
Samantha A. Carreon, PhD  
*Measuring Diabetes Self-Management Behaviors — Perspectives from People with Diabetes*  
Persis Commissariat, PhD, CDCES  
*Question and Discussion Period*

- **Professional Interest Group Discussion on Diabetes Self-Management Education and Support (DSMES) (Includes Livestream)**  
*Recap of Webinar Series*  
Michelle D. Stancil, RN, BSN, CDCES  
*Tying the Business of DSMES Together — Don’t Get Left Behind*  
Jennifer J. D’Souza, PharmD, CDCES, BC-ADM  
Kimberly Ellis, MSN, FNP-C, CDCES  
Clipper F. Young, PharmD, MPH, CDCES, BC-ADM, BCGP  
*Question and Discussion Period*
- **Professional Interest Group Discussion on Diabetes in Primary Care (Includes Livestream)**  
*Welcome and Introduction*  
Rosalina G. McCoy, MD, MS  
*Breaking the Cycle of Hyperglycemia — New Themes in Diabetes Prevention in the Real-World Practice*  
Kevin T. Miller, DO
- **Professional Interest Group Discussion on Diabetes in Youth (Includes Livestream)**  
*Welcome and Introduction*  
Stuart A. Weinzimer, MD  
*Emerging Evidence on the Effects of Sleep in Youth with Diabetes*  
Sarah S. Jaser, PhD  
*Question and Discussion Period*
- **Art of Writing a Winning Grant**  
*Basic Science Perspective*  
*Clinical/Translational Science Perspective*  
*Question and Discussion Period*

- **ePoster Theater**
- **General Poster Session**
- 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.

- **Downloading Glucose Data Everywhere or All in One Place (Includes Livestream)**  
*Downloading Glucose Data in Adults with Diabetes*  
Rebecca Longo, ACNP-BC, CDCES  
*Question and Discussion Period*  
*Downloading Glucose Data in Children with Diabetes*  
Cari Berget, RN, MPH, CDCES  
*Question and Discussion Period*
- **Improving Inclusive Care in Pediatric Diabetes Clinics — ADA Youth Strategies Committee Symposium**  
*Minimizing Stigma and Diabetes Management Barriers through Inclusive Provider Communication*  
Anthony T. Vesco, PhD  
*Implementation of Inclusive Language to Enhance Communication in the Pediatric Diabetes Clinic Setting (Video Presentation)*  
Sarah C. Westen, PhD  
*Lessons Learned and Advice for Best Practices in Effective Communication in the Pediatric Diabetes Clinic Setting*  
Sarah C. Westen, PhD  
*Question and Discussion Period*
- **The Islet-Cell Interactome (Includes Livestream)**  
*Delta-Cell Regulation of Beta-Cell Function*  
Maria L. Golson, PhD  
*Understanding Contributions of Vasculature to Islet Function*  
Manami Hara, DDS, PhD  
*The Role of Endocrine Cross Talk in Nutrient Homeostasis*  
Danielle Dean, PhD  
*Sensory Modulation of Pancreatic β-Cells*  
Abdelfattah El Ouaamari, PhD  
*Question and Discussion Period*
- **Oral Presentations**
- **Norbert Freinkel Award Lecture (Includes Livestream)**  
Helen R. Murphy, MB, BCh, BAO, MD, FRACP
- **ePoster Theaters**

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

- **What's the Verdict on Telehealth for Behavioral and Psychological Diabetes Care? (Includes Livestream)**  
*Telehealth Increases Access, Fosters Innovations, and Achieves at Least Equivalent Outcomes to In-Person Care*  
Jennifer Raymond, MD, MCR  
*Something and Someone Are Missing — Gaps in Telehealth Models for Psychosocial Diabetes Care*  
Michael A. Harris, PhD  
*Rebuttal*  
Jennifer Raymond, MD, MCR  
*Rebuttal*  
Michael A. Harris, PhD
- **Dual-Incretin Duel (Includes Livestream)**  
*Con — How Can We Afford It?*  
Irl B. Hirsch, MD  
*Pro — How Can We Not Afford It?*  
Carol H. Wysham, MD  
*Rebuttal*  
Irl B. Hirsch, MD  
*Rebuttal*  
Carol H. Wysham, MD  
*Question and Discussion Period*
- **Aging-Related Metabolic Disease — Major Drivers and Therapeutic Strategies (Includes Livestream)**  
James L. Kirkland, MD, PhD  
*Question and Discussion Period*
- **Oral Presentations**
- **ePoster Theaters**

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

- **Current Controversies in the Primary Prevention of Diabetes Macrovascular Complications (Includes Livestream)**  
*Current Controversies in the Primary Prevention of Diabetes Macrovascular Complications*  
Michael John Wilkinson, MD  
Karol E. Watson, MD, PhD  
Heather M. Johnson, MD

- **Creating a World without Visual Loss from Diabetes**  
*The Goal of Eliminating Blindness from Diabetic Retinal Disease*  
S. Robert Levine, MD  
*The Importance of Studying the Human Retinal Disease*  
Patrice E. Fort, MS, PhD  
*Structure–Function Connections in Human Diabetic Retinal Disease*  
Stela Vujosevic, MD, PhD  
*Designing Clinical Trials Based on Advanced Understanding of Diabetic Retinal Disease*  
Jennifer Sun, MD, MPH  
*Question and Discussion Period*
- **Let's Talk Treatment — Discussing Options for Weight and Diabetes Management**  
*Shared Decision Making in Counseling People with Higher Weight on Lifestyle and Behavior Changes*  
Eileen Stellingfson Myers, MPH, RDN, LDN, CEDRD, FAND  
*Integration of Glucose Lowering and Weight Loss Medications in the Conversation when Counseling People with Higher Weight*  
Richard E. Pratley, MD  
*Integration of Metabolic Surgery Options in Excess Weight Care in the Conversation when Counseling People with Higher Weight*  
Laura Andromalos, MS, RD, RN, CSOWN, CDCES
- **Joint ADA/ADCES Symposium — Implementing Technology into a Busy Practice — It Takes a Village! (Includes Livestream)**  
*Introduction*  
Jane Jeffrie Seley, DNP, MPH, MSN, GNP, RN, BC-ADM, CDCES, CDTC  
*The New Diabetes Technology Practice Competencies — Validating the Recommendations*  
Allyson Hughes, PhD  
*Professional Competencies for Diabetes Technology Practice — Who Should Do What?*  
Shivajirao Patil, MD, MPH, BC-ADM, FAAFP  
*Question and Discussion Period Led by Paulina N. Duker, MPH, BSN and Kirsten Yehl, MS, MLIS*

- **Time-in-Range — Where Are We Headed in 2023? (Includes Livestream)**  
*Time-in-Range in Clinical Trials*  
Revital Nimri, MD  
*Time-in-Range from a Regulatory Perspective*  
Patrick Archdeacon, MD  
*Time-in-Range in Clinical Decision Support*  
Daniel DeSalvo, MD  
*Time-in-Range from the Patient Perspective*  
Kelly L. Close, MBA  
*Question and Discussion Period*
- **Improving Outcomes for Adolescents with Type 2 Diabetes**  
*Interdisciplinary Team Approach to Type 2 Diabetes Management*  
Katie L. O'Sullivan, MD  
*Developing Community-Based Interventions for Youth with Obesity and Diabetes*  
*Medical or Surgical Treatment for Youth-Onset Type 2 Diabetes*  
Amy Sanghavi Shah, MD, MS
- **Oral Semaglutide for Treatment of Obesity and Type 2 Diabetes — Results from OASIS 1 and PIONEER PLUS Trials (Includes Livestream)**  
*Rationale for Evaluating Higher-Dose GLP-1RAs*  
Vanita R. Aroda, MD  
*OASIS 1 Results*  
Filip K. Knop, MD, PhD  
*PIONEER PLUS Trial Design and Baseline Characteristics*  
Sue D. Pedersen, MD, FRCPC  
*PIONEER PLUS Results*  
Vanita R. Aroda, MD  
*Placing OASIS 1 and PIONEER PLUS into Current Context (Independent Discussant)*  
Sean Wharton, MD, PharmD  
*Question and Discussion Period*

- **The Ongoing Impact of the DCCT/EDIC Study at 40 Years**  
*Overview and Design of DCCT and EDIC — From Clinical Trial to Epidemiology*  
*The Amelioration of Microvascular Complications and Their Major Risk Factors in DCCT/EDIC*  
Barbara H. Braffett, PhD  
*Cardiovascular Disease in Type 1 Diabetes*  
*Functional Impact of Long-Standing Type 1 Diabetes — Cognition, Physical Function, Hearing, and Skeletal Health*  
Catherine Martin, MS, RN  
*What Can EDIC Still Contribute? Future Directions*  
Rose Gubitosi-Klug, MD, PhD  
*Clinical Perspective — How DCCT/EDIC Changed the Care of Type 1 Diabetes*  
Bruce A. Perkins, MD, MPH  
Rodica Pop-Busui, MD, PhD  
*Question and Discussion Period*
- **Controlling the Communicators — Cytokine-Specific Therapies to Preserve Beta-Cell Function in Type 1 Diabetes**  
*IL-2 in the Preservation of Beta-Cell Function*  
David R. Klatzmann, MD, PhD  
*Treatment of Type 1 Diabetes with IL-2*  
John Todd, FMedSci, FRS  
*Jakinibs in the Treatment of Type 1 Diabetes*  
Thomas Kay, PhD  
*Ustekinumab in the Treatment of Type 1 Diabetes*  
Colin Dayan, MD  
*Perspective on Cytokine Specific Therapies in Type 1 Diabetes*  
Massimo Gadina, PhD

- **Cellular Cross Talk Regulating Insulin Action**  
*Spatial Compartmentation of Protein and Metabolites*  
Adam Hughes, PhD, BS  
*Interorganellar Metabolic Cross Talk*  
Jiandie Lin, PhD  
*Spatial, Tensile, and Rigidity Regulation of Cellular Function*  
Wendy Gordon, PhD  
*Changing the Conversation — How PTMs Moderate Organellar Cross Talk*  
Li Qiang, PhD  
*Question and Discussion Period*
- **How Sex Shapes Metabolism and Glucose Homeostasis**  
*Sex-Specific Adipose Depot Development*  
Matthew S. Rodeheffer, PhD  
*Estrogen Rewiring of the Neural Circuitry Controlling Energy Balance*  
Yong Xu, PhD  
*Hormonal Control Over Energy Balance*  
Franck Mauvais-Jarvis, MD, PhD  
*Liver Lipid Metabolism Intersecting with Hormones to Regulate Sex Differences in Immunity*  
Joni Nikkanen, PhD  
*Question and Discussion Period*
- **Chrononutrition for the Prevention and Treatment of Diabetes**  
*Impact of Time-Restricted Eating on Cardiometabolic Health — The Healthy Heroes Trial*  
Emily Manoogian, PhD  
*Feasibility of Time-Restricted Eating for Prevention and Treatment of Type 2 Diabetes*  
Jonas Salling Quist, MSc, PhD  
*Time-Restricted Eating to Prevent and Treat Metabolic Disease — From Rodents to Humans*  
Satchidananda Panda, PhD
- **Beta-Cell Identity from Prenatal Life to Death**  
*Fetal Beta Cells*  
Raphael Scharfmann, PhD  
*Postnatal Beta Cells*  
Mark Huising, PhD  
*Beta-Cell Aging*  
Rafael Arrojo e Drigo, PhD
- **Oral Presentations**



MONDAY, JUNE 26

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

■ SGLT2i and GLP-1RA in Cardiovascular Disease — An Update for Clinical Practice in 2023 (Includes Livestream)

*SGLT2i/GLP-1RA in Cardiovascular Disease — Overview*  
Darren K. McGuire, MD, MHSc  
*SGLT2i in Heart Failure — An Update*  
*GLP-1RA in Atherosclerotic Cardiovascular Disease — An Update*  
Pam R. Taub, MD, FACC

*SGLT2i/GLP-1RA in Combination with Cardiovascular Disease Medications — Safety, Efficacy, Benefit, Order*  
Question and Discussion Period

■ Empowering the Acute Care Team to Optimize Diabetes Care and Education

*The Art and Science of Dosing Insulin in Acute Care*  
Felicia Mendelsohn, MD  
*Creative Diabetes Orders — If They Can Click on It, They'll Order It*  
Jessica Odom, PharmD, BCPS, BC-ADM

*The Good, the Bad, and the Ugly — Which Diabetes Meds Are Safe and Effective in the Inpatient Setting?*  
Guillermo E. Umpierrez, MD, CDCES, FACE, MACP

*Teaching Diabetes Champions to Improve Glycemic Outcomes and Care Transitions*  
Lucille Hughes, DNP, MSN/ED, CDCES, BC-ADM, FADCES  
Question and Discussion Period

■ Able-Bodied Aging — Physical Activity Considerations for Older Adults with Diabetes

*Physical Activity in the Canadian Study of Longevity in Type 1 Diabetes*  
Bruce A. Perkins, MD, MPH  
*Aging, Body Composition, and Diabetes — The Role of Physical Activity in the Prevention of Sarcopenia*  
Marina Mourtzakis, PhD  
*Drug and Exercise Interactions in Older Adults with Diabetes*  
Philip A. Kern, MD

■ Joint ADA/ISPAD Symposium — Why Aren't All Guidelines the Same? A Focused Review of Recommendations from ISPAD 2022 and ADA 2023

*An Approach to the Stages of Diabetes — The ISPAD Approach*  
Rachel Besser, BSc, MBBS, PhD  
*Diabetes Technologies with a Global Perspective*  
Alfonso Galderisi, MD, PhD  
*Looking through the ADA Lens — 2023 ADA Guidelines for Pediatrics*  
Priya Prahalad, MD, PhD

■ ADA Symposium — Major Advances and Discoveries in Diabetes — The Year in Review (Includes Livestream)

*Clinical*  
John B. Buse, MD, PhD  
*Translational*  
Anath Shalev, MD  
*Basic*  
Question and Discussion Period

■ NIDDK Early Career Investigator Symposium — Behavioral and Physiological Adaptations to Optimize Glucose Control with Technology — What Is Needed to Improve Outcomes and to Overcome Access and Adoption Barriers?

*Welcome Remarks from the NIDDK Director*  
*What Is Needed to Improve Outcomes? More Physiological and Long-Lasting Delivery of Hormone Replacement in Diabetes*  
Eric A. Appel, PhD

*What Is Needed to Improve Outcomes? Technological, Physiological, and Behavioral Adaptations Needed for More Automated Systems*  
Laya Ekhlaspour, MD

*Strategies to Improve Usability and Overcome Access and Adoption Barriers — Optimizing Diabetes Device Use in Early Adolescents Living with Type 1 Diabetes*  
Jenise C. Wong, MD, PhD  
*Remote Glucose Monitoring among Patients with Type 1 Diabetes — Strategies to Improve Usability and Overcome Access and Adoption Barriers*  
Stephanie Crossen, MD, MPH  
Question and Discussion Period

■ All the Omics — What Do They Tell Us about Diabetes?

*Integrated Single Nucleus Omics across Pancreas Development*  
Julie B. Sneddon, PhD  
*Integrated and Diverse Omics and Data Science*  
*miRNA and ChRO-seq in Human Tissues and Organoids*

■ Engineering and Site Consideration for Cell Therapy

*Introduction — With What, Where, and How?*  
Michael Sefton, MD  
*The Pro and Cons of Open Scaffolds vs. Encapsulation*  
Andrés Garcia, PhD  
*Cotransplantation of Other Cell Types to Influence Engraftment*  
Qizhi Tang, PhD  
*Monitoring of Patients Post-Transplant*  
Norma Sue Kenyon, PhD

■ Observing Metabolism through New Lenses

*Metabolic Signaling Pathways in Real Time*  
John Albeck, PhD  
*Imaging of Cell Cycle, Differentiation, and Cell Signaling*  
Mary Teruel, PhD  
*Intensity-Based Fluorosensors*  
*Watching Multienzyme Complexes and Metabolism*  
Danielle Schmitt, PhD  
Question and Discussion Period

■ Single-Cell RNAseq Revolution — Decipher Metabolism One Cell at a Time

*Understanding Liver Functions and Diseases by ScRNAseq*  
Dongyin Guan, PhD  
*Single-Cell Analysis of the Aging Mouse Hypothalamus*  
Ashley Webb, PhD  
*A Single-Cell Atlas of White Adipose Tissue*  
Evan Rosen, MD, PhD  
*New Insight on CNS Regulation of Energy Balance Using scRNAseq Approach*  
Giles Yeo, PhD  
Question and Discussion Period

■ Metabolic Adaptation to Weight Loss in Humans

*Metabolic Flexibility to Weight Loss*  
Paul MacLean, PhD  
*The Role of Adaptive Thermogenesis in Weight Loss and Regain*  
Abdul G. Dulloo, PhD  
*Adaptations to Changes in Weight*  
Anthony W. Ferrante, MD, PhD

■ The Jekyll and Hyde of Inflammatory Signals in Islets (Includes Livestream)

*IL-1β Stimulates Insulin Secretion via Neuronal Transmission*  
Sophia J. Wiedemann, MMed, MSc  
*Effect of Gut-Derived Bacteria on Beta-Cell Inflammation and Dysfunction*  
Daniël van Raalte, MD, PhD  
*Novel Insights into Tumor Necrosis Factor (TNF) Receptor Signaling and Beta-Cell Death*  
Andrew T. Templin, PhD

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

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

■ Outstanding Scientific Achievement Award Lecture (Includes Livestream)  
Carmella Evans-Molina, MD, PhD

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

■ Professional Interest Group Discussion on Diabetes Technology (Includes Livestream)

*Welcome and Introduction*  
Viral Shah, MD  
*A Registry Study of Hybrid Closed-Loop Systems during Pregnancy — Endocrine Perspective*  
Grenye O'Malley, MD  
*A Registry Study of Hybrid Closed-Loop Systems during Pregnancy — Maternal and Fetal Medicine Perspective*  
Celeste P. Durnwald, MD  
Question and Discussion Period



■ Professional Interest Group Discussion on Health Care Improvement — Best Practices in Implementing ADA's Standards of Care in Diabetes (Includes Livestream)

*Welcome and Introduction*  
Mary K. Rhee, MD  
*Approaches to Effective Screening for Prediabetes and Diabetes*  
*Strategies to Improve the Use of SGLT2 Inhibitors and GLP-1RAs in Primary Care*  
Joanna Mitri, MD, MS  
*Current and Proposed Revisions to the Quality Measures in Diabetes Care*  
Stephen Clement, MD  
*Question and Discussion Period*

■ Cultivating Provider Resiliency and Preventing Burnout (Includes Livestream)

*Welcome and Introduction*  
Robert A. Gabbay, MD, PhD  
*Cultivating Provider Resiliency*  
*Addressing Provider Burnout*  
Question and Discussion Period

■ Professional Interest Group Discussion on Public Health and Epidemiology — Have We Succeeded in Type 2 Diabetes Primary Prevention? A Debate

*Welcome and Introduction*  
Noël C. Barengo, MD, PhD, MPH  
*Have We Succeeded in Type 2 Diabetes Primary Prevention? Pro*  
Pablo Aschner, MD, MSc  
*Have We Succeeded in Type 2 Diabetes Prevention? Con*  
Justin Echouffo Tcheugui, MD, PhD  
Question and Discussion Period

■ Professional Interest Group Discussion on Immunology, Immunogenetics, and Transplantation — Engineering Islets and Dealing with the Immune System (includes Livestream)

*Welcome and Introduction*  
Maureen Su, MD  
*Engineering Islets*  
Holger A. Russ, PhD  
*Cloaking Islets from the Immune System*  
Cherie L. Stabler, PhD  
*Immune Modifying Therapies*  
Roland Tisch, PhD  
Question and Discussion Period

■ ePoster Theaters

■ General Poster Session

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.

■ Joint ADA/ASN Symposium — How Do We Address the Psychosocial Determinants of Health in Diabetes and Kidney Disease? (Includes Livestream)

*Race, Racism, and Diabetic Kidney Disease*  
Titilayo O. Ilori, MBBS  
*Psychological Determinants of Diabetic Kidney Disease*  
Allison Dart, MD  
*Representation of Indigenous and Underrepresented Groups in Diabetic Kidney Disease Research*  
Shohinee Sarma, MD, MPH, FRCPC

■ What Is the Best Approach to the Management of Painful Diabetic Neuropathy?

*The Pharmacological Approach Is the Best*  
Dinesh Selvarajah, MB, ChB, MRCP, PhD  
*The Psychological Approach Is the Best*  
Lance M. McCracken, PhD  
*The Neuromodulation Approach Is the Best*  
Erika A. Petersen, MD, FAANS, FACS  
*The Physical Activity and Exercise Approach Is the Best*  
J. Robinson Singleton, MD  
Question and Discussion Period

■ COORDINATE — Diabetes Study Results Symposium (Includes Livestream)

*Study Background*  
Jennifer B. Green, MD  
*Trial Design and Conduct*  
Neha Pagidipati, MD, MPH  
*Participant Characteristics*  
Adam J. Nelson, MBBS, MBA, MPH, PhD  
*COORDINATE — Diabetes Results*  
Christopher B. Granger, MD, FACC, FAHA  
*Endocrinology Perspective*  
Ildiko Lingvay, MD, MPH, MSCS  
Question and Discussion Period



■ **Exercise as Medicine — Physical Activity for Preventing and Managing Diabetes Complications**

*Prevention of Microvascular Complications in Prediabetes (ePREDICE) Study*  
Jaakko Tuomilehto, MD, PhD  
*Can You Feel (H)IT? High Intensity Training to Improve Hypoglycemia Unawareness*  
Rory J. McCrimmon, MD  
*An Ounce of Prevention — Exercise and Sedentary Behavior in Youth with Diabetes*  
Kimber M. Simmons, MD, MS

■ **ADA Education Recognition Program (ERP) — Impact in Pregnancy — MOMs in Control of Diabetes of South Carolina**

*MOMs in Control — Team-Based Approach*  
Daniel N. Pasko, MD  
*MOMs in Control — ERP Expansion*  
Jessica Odom, PharmD, BCPS, BC-ADM  
*MOMs in Control — Day-to-Day Services*  
Hannah White, MS, RD, LD, CDCES  
*MOMs in Control — Medication and Technology Management*  
Jessica Odom, PharmD, BCPS, BC-ADM  
*Question and Discussion Period*

■ **Extending Our Reach — Using Technology and Clinical Collaborations to Improve Outcomes**

*Project ECHO (Extension for Community Health Outcomes) Diabetes*  
Matthew F. Bouchonville II, MD  
*E-Consults and Professional Continuous Glucose Monitoring with Recommendations*  
Kathryn Fantasia, MD  
*The Cardiology, Renal, and Endocrinology (C.a.R.E) Clinic Experience*  
Alanna Weisman, MD, PhD, FRCP  
*Usability and Feasibility of Consumer-Facing Technology to Improve Outcomes*  
*Question and Discussion Period*

■ **Overcoming Barriers to Diabetes Technology**

*Overcoming Barriers to Technology in Primary Care*  
Thomas W. Martens, MD  
*Psychological Considerations in Technology Adoption*  
Kimberly A. Driscoll, PhD  
*The EHR and Data Integration — The Time Was Yesterday*  
David C. Klonoff, MD, FACP, FRCP (Edin), Fellow AIMBE

■ **Retatrutide (LY3437943), a Novel GIP/GLP-1/Glucagon Receptor Triagonist — Obesity, NAFLD, and T2D Phase 2 Trial Results (Includes Livestream)**

*Why Three? Leveraging the Metabolic Action of Glucagon in Retatrutide, a Novel GIP/GLP-1/Glucagon Receptor Triagonist*  
*Retatrutide Obesity — Efficacy and Safety Results of the 48-Week Obesity Phase 2 Trial*  
Ania M. Jastreboff, MD, PhD  
*Retatrutide NAFLD — Phase 2 Trial Results in Subset of Patients with Obesity and NAFLD*  
Arun J. Sanyal, MD  
*Retatrutide T2D — Efficacy and Safety Results of the 36-Week T2D Phase 2 Trial*  
Julio Rosenstock, MD  
*Question and Discussion Period*

■ **Joint ADA/The Lancet Symposium — Racial and Gender Inequalities — An International Perspective**

*Racial Inequity in Diabetes*  
Louise Maple-Brown, MBBS, FRACP, PhD  
*Gender Inequity in Diabetes*  
Usha Sriram, MBBS  
*Recommendations to Address Racial Inequity in the U.S.*  
Saria Hassan, MD, MPH  
*Real-World International Case Studies to Address Racial and Gender Inequity in Diabetes*  
Shivani Agarwal, MD, MPH  
*Panel Discussion*  
Louise Maple-Brown, MBBS, FRACP, PhD  
Usha Sriram, MBBS  
Saria Hassan, MD, MPH  
Shivani Agarwal, MD, MPH  
Chittaranjan Yajnik, MD, FRCP  
Ashby F. Walker, PhD

■ **Clinical Cell Therapy for Diabetes**

*Introduction — Clinical Islet Transplantation — Where Are We Now?*  
David A. Baidal, MD  
*Islet Auto Transplant — Lessons Learned for Cell Therapy in Diabetes*  
Melena Bellin, MD  
*Is There a Role for Cadaveric Islet Transplantation at Academic Centers in the Future, and in What Settings?*  
Peter A. Senior, MBBS, PhD  
*Current State of Stem-Cell-Based Islet Therapies in Patients — Progress and Challenges*  
Eelco J.P. de Koning, MD, PhD  
*Question and Discussion Period*

■ **Exercise and Metabolic Health — Insight from Animal Studies**

*Lysine Acetylation as a Critical Regulator of Glucose Uptake during Exercise*  
Simon Schenk, PhD  
*Cellular and Synaptic Reorganization of Hypothalamic Neurons after Exercise*  
Kevin Williams, PhD  
*Energy Metabolism in Skeletal Muscle and Exercise Capacity*  
Xing Xing Kong, MD  
*Microbiome Regulation of Exercise*  
Christoph A. Thaiss, PhD, BS, MS  
*Question and Discussion Period*

■ **Let's Talk about Sex (Differences in Islet Biology) (Includes Livestream)**

*Sex Differences in the Islet Stress Response*  
Elizabeth Rideout, PhD, BSc  
*Differential Methylation Yields Sex Differences in Islet Function in Health and Disease*  
Karl Bacos, PhD  
*Sex Differences in the Beta-Cell Response to Maternal Obesity*  
Lim Kua, MD

■ **Oral Presentations**

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

■ **Beyond Antihyperglycemic and Antihypertensive Agents for Diabetic Kidney Disease (Includes Livestream)**

*Are We Following the Guidelines and Using the Newer Therapies to Protect against Diabetic Kidney Disease?*  
Christine Limonte, MD  
*Future Therapies Targeting Mitochondrial Dysfunction and Oxidative Stress to Mitigate Diabetic Kidney Disease (Intracellular NAD+, JAK-STAT, TGFbeta)*  
Ashish Verma, MD  
*What about Children and Adolescents with Diabetes?*  
Kalie L. Tommerdahl, MD

■ **Doc, Is My GLP-1 Med Making My Sight Worse? New Considerations in Management of Diabetic Retinopathy (Includes Livestream)**

*Novel Diabetes Therapies (GLP-1, SGLT2, DPP-4s) and Diabetic Retinopathy*  
Risa M. Wolf, MD  
*New Therapies for Diabetic Retinopathy — How Do They Compare with What We Already Have?*  
Quan Dong Nguyen, MD, MSc

■ **Early Diagnosis of Diabetes Cardiomyopathy (DbCM) — What Can Be Done?**

*Cross-Sectional Analysis of a Large Cohort of Patients with DbCM Enrolled in a Longitudinal Study — The Baseline Results of the ARISE-HF Trial*  
*Diagnosis of Diabetic Cardiomyopathy Based on Circulating Marker of Disease*  
James L. Januzzi, MD  
*Molecular Mechanisms Leading to Diabetic Cardiomyopathy*  
*Question and Discussion Period*

■ **Updates in Diabetes and Fasting**

*Diabetes and Ramadan Fast — For a Safer Journey*  
*Intermittent Fasting and Diabetes*  
*Question and Discussion Period*



■ **Shared Decision-Making Either Isn't Practiced or Isn't Working**

*Pro — Shared Decision-Making Has Unintended Negative Consequences*  
*Con — Shared Decision-Making Is the Cornerstone for Patient-Centered Care*  
*Question and Discussion Period*

■ **Is Metabolic Surgery or Lifestyle/ Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARMMS-T2D Randomized Trial after 7–15 Years of Follow-Up (Includes Livestream)**

*The Case for an RCT of Metabolic Surgery and Type 2 Diabetes*  
John P. Kirwan, MSc, PhD, FACSM  
*Study Design of the ARMMS-T2D Randomized Trial*  
Mary-Elizabeth Patti, MD  
*Long-Term HbA1c Outcomes and Diabetes Remission at 7–15 Years*  
Anita Courcoulas, MD, MPH  
*Implications for Clinical Management of Type 2 Diabetes*  
Robert H. Eckel, MD

■ **Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement**

*Introduction to the Consensus Statement and What It Will Achieve*  
David G. Marrero, PhD  
*Core Psychosocial Domains and the Underpinning Science of PROs*  
Katharine D. Barnard-Kelly, PhD  
*PROs and What Matters to Clinicians*  
Richard I.G. Holt, PhD, FRCP  
*What to Look for in a PRO Measure*  
Jessica Pierce, PhD  
*PROs from a Person with Diabetes Perspective*  
Jennifer Sherr, MD, PhD  
*Question and Discussion Period*

■ **Comparing Beta-Cell Replacement vs. Artificial Pancreas — Smart Insulins with a Focus on New Innovations — Untested Technologies (Includes Livestream)**

*For Beta-Cell Replacement*  
Michael R. Rickels, MD, MS  
*For Emerging Innovations*  
Bruce A. Buckingham, MD  
*Rebuttal*  
Michael R. Rickels, MD, MS  
*Rebuttal*  
Bruce A. Buckingham, MD  
*Question and Discussion Period*

■ **Oral Presentations**