



**83RD 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 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.

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 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.

SHOP DIABETES STORE

Visit the Shop Diabetes Store at 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 to enhance your patient care library.

Become a professional member at 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.

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 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 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 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 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.

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.

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 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 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.

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). 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! <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.	Symposium The Goldilocks Paradigm of Physical Activity and the Foot in Persons with Diabetes <i>(Includes Livestream)</i> Symposium Implementation of Guideline-Directed Medical Therapy for Cardiometabolic Disease — Emerging Multidisciplinary Initiatives	Panel Discussion Behavioral Markers of Diabetes Self-Management — State of the Science and Measurement Controversies — Honoring the Legacy of Mark Peyrot	Symposium The Heart of the Matter — Cardiovascular Health during Pregnancy and Beyond Symposium Overcoming Obstacles in Diabetes Management Symposium Continuous Glucose Monitoring in Type 2 Diabetes — Are We There Yet? <i>(Includes Livestream)</i> Symposium Diabetes in the Child with Obesity Symposium ADA <i>Diabetes Care</i> Symposium — Social Determinants of Health — Impact on Diabetes Development and Care	Symposium The Road Less Traveled — U.S. Rurality and Diabetes	Symposium Type 1 Diabetes through Another Lens — Lessons from Other Disease Settings <i>(Includes Livestream)</i>	Symposium Mitochondrial Metabolism and Glucose Homeostasis	Symposium Beyond “Calories In, Calories Out” in Treating Obesity <i>(Includes Livestream)</i>	Symposium 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.	Professional Interest Group Professional Interest Group Discussion on Foot Care <i>(Includes Livestream)</i>	Professional Interest Group Professional Interest Group Discussion on Exercise Physiology — Lactate Reimagined — More than Just a Waste Product Professional Interest Group Professional Interest Group Discussion on Nutritional Sciences and Metabolism — Novel Methods of Dietary Assessment Professional Interest Group 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> ePoster Theater Diabetes Education	Professional Interest Group Professional Interest Group Discussion on Pregnancy and Reproductive Health — Metformin Use in Type 2 Diabetes during Pregnancy — A Debate <i>(Includes Livestream)</i> Professional Interest Group Professional Interest Group Discussion on Clinical Centers and Programs Professional Development Learn How to Pitch Your Entrepreneurial Idea and Get Funding ePoster Theater Health Care Delivery — Economics/Quality Improvement					Professional Interest Group 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.			ePoster Theater Therapeutics/New Technologies					ePoster Theater Islet Biology/Insulin Secretion
1:30 p.m.-3:00 p.m.	Oral Presentations Hypoglycemia Oral Presentations Foot Care/Lower Extremities (With Roger Pecoraro Award Lecture) <i>(Includes Livestream)</i> Oral Presentations Macrovascular Complications	Oral Presentations Psychosocial/ Behavioral Medicine ePoster Theater Clinical Nutrition	Ask the Expert Interactive Case Studies — Optimizing Diabetes Technology in Special Populations <i>(Includes Livestream)</i> Oral Presentations Health Care Delivery — Economics/ Quality Improvement Oral Presentations Pregnancy Oral Presentations Clinical Therapeutics	Oral Presentations Epidemiology ePoster Theater Genetics and Gene Regulation	Oral Presentations Immunology <i>(Includes Livestream)</i>	Oral Presentations Insulin Action/ Molecular Metabolism	Oral Presentations Metabolism, In Vivo (Animals)	Oral Presentations 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>Panel Discussion The Future Is Now — Artificial Intelligence and Diabetes Foot Disease</p> <p>Panel Discussion Hypoglycemia as a Quality Measure — Rationale, Challenges, and Opportunities</p> <p>Panel Discussion Above and Beyond the Regular Lipid Panel — Are Additional Measurements Really Needed?</p> <p>Symposium The Evolving Clinical Spectrum of Diabetic Neuropathy</p>		<p>Debate Nutrition in Pregnancy — Is Low-Carb a No-Go?</p> <p>Debate Technology or Immuno-modulation — The Best Course for Management of Type 1 Diabetes</p> <p>Panel Discussion What Can Diabetes Quality Teams Learn from Engineers and Designers?</p>	<p>Award Lecture (3:15 p.m.-4:00 p.m.) Kelly West Award for Outstanding Achievement in Epidemiology Lecture <i>(Includes Livestream)</i></p> <p>Panel Discussion Diabetes Endotypes — Defined by DNA?</p>	<p>Panel Discussion The New Normal — Perspectives on Treatment and Trials as Immunotherapies Enter the Type 1 Diabetes Clinical Landscape <i>(Includes Livestream)</i></p>	<p>Symposium Twitter Bugs — Dancing between the Carbohydrate-Insulin and Energy-Balance Models <i>(Includes Livestream)</i></p>	<p>Debate Only Time Will Tell — Early Eating or Just Eating? <i>(Includes Livestream)</i></p>	<p>Debate 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>ePoster Theater Macrovascular Complications</p>	<p>Oral Presentations Psychosocial/ Behavioral Medicine <i>(Includes Livestream)</i></p>	<p>Main Event Innovation Challenge <i>(Includes Livestream)</i></p> <p>Symposium Joint ADA/AACC Symposium — Hyperglycemia in the Hospital — Are Our Tools for Measurement Accurate Enough?</p> <p>Symposium Joint ADA/EASD Symposium — Precision Medicine in Diabetes (PMDI) <i>(Includes Livestream)</i></p> <p>Oral Presentations Clinical Therapeutics</p> <p>Oral Presentations New Technologies</p>	<p>Symposium Multiancestry Genome-Wide Association Studies (GWAS) and Polygenic Risk Score (PRS)</p>	<p>Oral Presentations Beta-Cell Replacement <i>(Includes Livestream)</i></p>		<p>Oral Presentations Metabolism, In Vivo (Humans)</p>	<p>Oral Presentations 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>Symposium New Treatment Possibilities for Cardiovascular Residual Risk in Diabetes? <i>(Includes Livestream)</i></p> <p>Symposium Diabetes Kidney Disease in Type 1 and Type 2 Diabetes — The Same Disease?</p> <p>Symposium The NIDDK Diabetic Foot Consortium — So People with Diabetes May Stand Firm</p>	<p>Symposium Hot Topics in Nutrition — What’s the Evidence? <i>(Includes Livestream)</i></p>	<p>Panel Discussion Do Quality Improvement Efforts Reduce Health Care Disparities?</p> <p>Symposium Automated Insulin Delivery Use among Pregnant Women with Type 1 Diabetes — Past, Present, and Future</p> <p>Symposium Transforming Therapy with Ultra-Long-Acting Insulins</p> <p>Panel Discussion Updates in ADA’s <i>Standards of Care in Diabetes</i> — 2023 <i>(Includes Livestream)</i></p> <p>Symposium Joint ADA/JDRF Symposium — Global Perspective on Population Level Type 1 Diabetes Screening and Monitoring</p>	<p>Symposium Real-World Data in Diabetes Research — Promise or Peril?</p>		<p>Symposium It’s About Time — Eating and Exercising in Metabolic Health</p>	<p>Symposium Nutrient-Stimulated Hormones — Anti-Obesity Pharmacotherapy Game Changers <i>(Includes Livestream)</i></p> <p>Symposium 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>Professional Interest Group Professional Interest Group Discussion on Diabetes and Cardiovascular Disease — SGLT2 Inhibitors — Innovative Research to Inform Clinical Practice <i>(Includes Livestream)</i></p> <p>Professional Interest Group Professional Interest Group Discussion on Eye Health</p>	<p>Professional Interest Group Professional Interest Group Discussion on Behavioral Markers of Diabetes Self-Management — Perspectives from Clinicians and People with Diabetes</p> <p>Professional Interest Group Professional Interest Group Discussion on Diabetes Self-Management Education and Support (DSMES) <i>(Includes Livestream)</i></p>	<p>Professional Interest Group Professional Interest Group Discussion on Diabetes in Primary Care <i>(Includes Livestream)</i></p> <p>Professional Interest Group Professional Interest Group Discussion on Diabetes in Youth <i>(Includes Livestream)</i></p> <p>Professional Development Art of Writing a Winning Grant</p>				<p>ePoster Theater 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>Oral Presentations Hypoglycemia</p> <p>Oral Presentations Macrovascular Complications</p>	<p>Ask the Expert Downloading Glucose Data Everywhere or All in One Place <i>(Includes Livestream)</i></p> <p>Symposium Improving Inclusive Care in Pediatric Diabetes Clinics — ADA Youth Strategies Committee Symposium</p>	<p>Oral Presentations Health Care Delivery — Economics/ Quality Improvement</p> <p>Oral Presentations Clinical Therapeutics</p> <p>Oral Presentations New Technologies</p> <p>Oral Presentations Pregnancy (With Norbert Freinkel Award Lecture) <i>(Includes Livestream)</i></p> <p>ePoster Theater New Technologies</p>	<p>Oral Presentations Genetics and Gene Regulation <i>(Includes Livestream)</i></p> <p>ePoster Theater Epidemiology</p>	<p>Oral Presentations Immunology</p>	<p>Oral Presentations Insulin Action/ Molecular Metabolism</p>	<p>Oral Presentations Obesity/ Pathogenesis of Obesity</p> <p>Oral Presentations Metabolism, In Vivo (Animals)</p>	<p>Symposium 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.	Oral Presentations Lipids <i>(Includes Livestream)</i> Oral Presentations Diabetic Kidney Disease Oral Presentations Neuropathy Oral Presentations Retinopathy	Debate What's the Verdict on Telehealth for Behavioral and Psychological Diabetes Care? <i>(Includes Livestream)</i> Oral Presentations Clinical Nutrition Oral Presentations Diabetes Education Oral Presentations Exercise	Debate Dual-Incretin Duel <i>(Includes Livestream)</i> ePoster Theater New Technologies ePoster Theater Pregnancy	Oral Presentations Epidemiology	Oral Presentations Beta-Cell Replacement	Oral Presentations Insulin Action/ Molecular Metabolism	Debate Aging-Related Metabolic Disease — Major Drivers and Therapeutic Strategies <i>(Includes Livestream)</i> Oral Presentations Metabolism, In Vivo (Animals)	
4:30 p.m.- 6:00 p.m.	Panel Discussion Current Controversies in the Primary Prevention of Diabetes Macrovascular Complications <i>(Includes Livestream)</i> Symposium Creating a World without Visual Loss from Diabetes	Panel Discussion Let's Talk Treatment — Discussing Options for Weight and Diabetes Management Symposium Joint ADA/ADCES Symposium — Implementing Technology into a Busy Practice — It Takes a Village! <i>(Includes Livestream)</i>	Panel Discussion Time-in-Range — Where Are We Headed in 2023? <i>(Includes Livestream)</i> Symposium Improving Outcomes for Adolescents with Type 2 Diabetes Symposium Oral Semaglutide for Treatment of Obesity and Type 2 Diabetes — Results from OASIS 1 and PIONEER PLUS Trials <i>(Includes Livestream)</i> Oral Presentations New Technologies	Symposium The Ongoing Impact of the DCCT/ EDIC Study at 40 Years	Symposium Controlling the Communicators — Cytokine-Specific Therapies to Preserve Beta-Cell Function in Type 1 Diabetes	Symposium Cellular Cross Talk Regulating Insulin Action Symposium How Sex Shapes Metabolism and Glucose Homeostasis	Symposium Chrononutrition for the Prevention and Treatment of Diabetes	Symposium 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.	Symposium SGLT2i and GLP-1RA in Cardiovascular Disease — An Update for Clinical Practice in 2023 <i>(Includes Livestream)</i>	Panel Discussion Empowering the Acute Care Team to Optimize Diabetes Care and Education Symposium Able-Bodied Aging — Physical Activity Considerations for Older Adults with Diabetes	Symposium Joint ADA/ISPAD Symposium — Why Aren't All Guidelines the Same? A Focused Review of Recommendations from ISPAD 2022 and ADA 2023 Symposium ADA Symposium — Major Advances and Discoveries in Diabetes — The Year in Review <i>(Includes Livestream)</i> Symposium 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?	Symposium All the Omics — What Do They Tell Us about Diabetes?	Symposium Engineering and Site Consideration for Cell Therapy	Symposium Observing Metabolism through New Lenses	Symposium Single-Cell RNAseq Revolution — Decipher Metabolism One Cell at a Time Symposium Metabolic Adaptation to Weight Loss in Humans	Symposium 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.	ePoster Theater Hypoglycemia	ePoster Theater Psychosocial/Behavioral Medicine	Professional Interest Group Professional Interest Group Discussion on Diabetes Technology <i>(Includes Livestream)</i> Professional Interest Group 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> Professional Development Cultivating Provider Resiliency and Preventing Burnout <i>(Includes Livestream)</i>	Professional Interest Group Professional Interest Group Discussion on Public Health and Epidemiology — Have We Succeeded in Type 2 Diabetes Primary Prevention? A Debate	Professional Interest Group 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.	Panel Discussion Joint ADA/ASN Symposium — How Do We Address the Psychosocial Determinants of Health in Diabetes and Kidney Disease? <i>(Includes Livestream)</i> Symposium What Is the Best Approach to the Management of Painful Diabetic Neuropathy? Symposium COORDINATE — Diabetes Study Results Symposium <i>(Includes Livestream)</i>	Symposium Exercise as Medicine — Physical Activity for Preventing and Managing Diabetes Complications Symposium ADA Education Recognition Program (ERP) — Impact in Pregnancy — MOMs in Control of Diabetes of South Carolina	Symposium Extending Our Reach — Using Technology and Clinical Collaborations to Improve Outcomes Symposium Overcoming Barriers to Diabetes Technology Symposium Retatrutide (LY3437943), a Novel GIP/GLP-1/Glucagon Receptor Triagonist — Obesity, NAFLD, and T2D Phase 2 Trial Results <i>(Includes Livestream)</i>	Symposium Joint ADA/ <i>The Lancet</i> Symposium — Racial and Gender Inequalities — An International Perspective	Symposium Clinical Cell Therapy for Diabetes	Oral Presentations Insulin Action/ Molecular Metabolism	Symposium Exercise and Metabolic Health — Insight from Animal Studies Oral Presentations Metabolism, In Vivo (Humans)	Symposium 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.	<p>Symposium Beyond Antihyperglycemic and Antihypertensive Agents for Diabetic Kidney Disease <i>(Includes Livestream)</i></p> <p>Symposium Doc, Is My GLP-1 Med Making My Sight Worse? New Considerations in Management of Diabetic Retinopathy <i>(Includes Livestream)</i></p> <p>Symposium Early Diagnosis of Diabetes Cardiomyopathy (DbCM) — What Can Be Done?</p>	<p>Symposium Updates in Diabetes and Fasting</p>	<p>Debate Shared Decision-Making Either Isn't Practiced or Isn't Working</p> <p>Symposium 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></p> <p>Symposium Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement</p>		<p>Debate Comparing Beta-Cell Replacement vs. Artificial Pancreas — Smart Insulins with a Focus on New Innovations — Untested Technologies <i>(Includes Livestream)</i></p>			<p>Oral Presentations Islet Biology/ Insulin Secretion</p>



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
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. Crieago, 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. Rurality 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
Vasan 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 Huisling, 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

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

- **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-1 β 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, FACS
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**

