Advance Program

SAN DIEGO, CA / HYBRID
JUNE 23-26, 2023
About the meeting
The scientific sessions offer 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, taking 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 Scientific Sessions.
- 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.

Ban ting medal for scientific achievement
Matthew H. Tschantz, MD
Outstanding scientific achievement award
Carmella Evans-Molina, MD, PhD
Albert Renold award
Raghavendra G. Mirrana, 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 Ritikin 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 are awards 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, obstetrics, 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, SCD, CDCES
Roger Pecoraro award (interest group on foot care)
Tze-Woo Tan, MBBS, MPH, FACS
Norbert Freinkel award (interest group on diabetes education and patient advocacy)
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 Women’s 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
- Satlutamide (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 APAMS-T2D Randomized Trial after 7-15 Years of Follow-Up

Professional interest groups
Professional interest groups forums 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 in assisting in creating their itineraries for the meeting.

EPosters/which offer a unique opportunity to share your research with the diabetes community.

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

Advance program
JUNE 23-26, 2023
HYBRID | SAN DIEGO, CA | #ADA2023

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programs that are planned and scheduled during morning, and technologies. Product Theaters will showcase innovative equipment and research, and demonstrate emerging technologies. Product Theaters will be held on-site and will be open to all conference attendees. The program will include both oral presentations and poster sessions. The oral presentations will be held in a theater setting, while the poster sessions will be held in a large exhibition hall.

**Scientific Sessions**

The Scientific Sessions will cover a wide range of topics, including diabetes management, nutrition, and exercise. The sessions will be held in several locations, including the main conference building, the nearby convention center, and outdoor locations. The sessions will be led by experts in the field, and will be open to all conference attendees. The sessions will be interactive, with opportunities for attendees to ask questions and engage in discussions.

**Exhibit Hall**

The Exhibit Hall will be open from 9:00 a.m. to 7:00 p.m. daily. The exhibit hall will feature a wide range of products and services related to diabetes care, including pharmaceuticals, devices, and technologies. The exhibit hall will also feature a number of special events, including a networking reception and a poster session. Attendees will have the opportunity to meet with companies and organizations and learn about the latest products and services available in the field.

**Virtual Only Meeting Registration**

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

<table>
<thead>
<tr>
<th>REGISTRATION CATEGORIES</th>
<th>ADVANCE</th>
<th>FINAL</th>
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<tbody>
<tr>
<td>Member*</td>
<td>$635</td>
<td>$685</td>
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<tr>
<td>Non-Member</td>
<td>$955</td>
<td>$1,005</td>
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<tr>
<td>Student/Resident/Fellow</td>
<td>$360</td>
<td>$380</td>
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<tr>
<td>One Day Registration – Member</td>
<td>$370</td>
<td>$380</td>
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<tr>
<td>One Day Registration – Non-Member</td>
<td>$460</td>
<td>$470</td>
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</table>

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

**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 +1-415-268-2086 (International). Visit the ADA Support Center at https://ada.cmrushelp.com/s/support.

**August 28, 2023.**
ADVA NCE PROGR A M

HOTEL INFORMATION
Visit scientifcsessions.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 scientifcsessions.diabetes.org.

International Group Organizers
If you are organizing an international group (five or more rooms) to attend the ADA, visit HOTEl INFORMATION 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 scientifcsessions.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 Scientifc Sessions will be at the discretion of the presenter/publication 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 non-commercial 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 Scientifc 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 and @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 source. Visitors can explore the history books and instead travel to San Diego’s most beautiful scenery 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 (DTRs) is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCMG), 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.

Physicians and 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 (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.

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 Assistants
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 responsibility 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 certifies completion of this course receive 29.5 continuing education credits.

To Obtain Continuing Education Credit
Certificates of Completion/Attendance are provided to registered attendees based on 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.
<table>
<thead>
<tr>
<th>Time</th>
<th>Acute and Chronic Complications</th>
<th>Behavioral Medicine, Clinical Nutrition, Education, and Exercise</th>
<th>Clinical Diabetes/Therapeutics</th>
<th>Epidemiology/Genetics</th>
<th>Immunology/Beta-Cell Replacement</th>
<th>Insulin Actions/Molecular Metabolism</th>
<th>Obesity/Integrated Physiology</th>
<th>Islet Biology/Insulin Secretion</th>
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</thead>
<tbody>
<tr>
<td>10:30 a.m.-</td>
<td>Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)</td>
<td>Day-at-a-Glance Schedule</td>
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<tr>
<td>11:30 a.m.-</td>
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<td>Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)</td>
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<td>Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)</td>
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<td>Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)</td>
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<td>Welcome to the 83rd ADA Scientific Sessions! (Includes Livestream)</td>
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<td>ADA Networking Reception</td>
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**Day-at-a-Glance Schedule**

**FRIDAY, JUNE 23, 2023**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>12:30 p.m.-</td>
<td><em>Pathway to Stop Diabetes</em> Symposium (Includes Livestream)</td>
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<tr>
<td>1:45 p.m.-</td>
<td>Oral Presentations Hypoglycemia</td>
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<td>Oral Presentations lipids</td>
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<td>Oral Presentations Diabetic Kidney Disease</td>
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<td></td>
<td>Debate To Eat or Not to Eat? Fasted vs. Postprandial Exercise for Glycemic Management (Includes Livestream)</td>
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<tr>
<td>2:00 p.m.-</td>
<td>Oral Presentations Macular Complications (With Edwin Blierman Award Lecture) (Includes Livestream)</td>
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<td></td>
<td>Oral Presentations Psychosocial/Behavioral Medicine (With Richard R. Rubin Award Lecture) (Includes Livestream)</td>
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<td>Ask the Expert Management of the Athlete with Diabetes (Includes Livestream)</td>
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<td>Oral Presentations Pregnancy</td>
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<td>Oral Presentations Genetics and Gene Regulation</td>
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<td></td>
<td>Oral Presentations New Technology</td>
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<td>3:45 p.m.-</td>
<td>Symposium Real-World Hypoglycemia in Older Adults with Diabetes</td>
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<td>Symposium Effort, Engagement, and Sustainability of Dietary Management Options in Type 2 Diabetes — Time for a Reappraisal?</td>
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<td>Symposium Translating Psychosocial Care into Real-World Practice Settings</td>
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<td>Ask the Expert Interactive Case Studies — AID Systems — Which Setting Would You Change? (Includes Livestream)</td>
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<td>Panel Discussion Hypersens or Basal?</td>
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<td>Symposium Genetics of Glucose Metabolism in Pregnancy (Includes Livestream)</td>
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<td>Symposium Glucagon Fest</td>
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<td></td>
<td>Symposium SURMOUNT 2 Trial Results and Potential Role of Thricepentin in Treating Obesity in Type 2 Diabetes (Includes Livestream)</td>
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<tr>
<td>5:30 p.m.-</td>
<td>Oral Presentations Foot Care, Lower Extremities</td>
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<td>Oral Presentations Neuropathy</td>
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<td>Oral Presentations Retinopathy</td>
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<td>Oral Presentations Exercise</td>
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<td>Debate Should We Curt the Cars? (Includes Livestream)</td>
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<td></td>
<td>Oral Presentations Clinical Nutrition</td>
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<td>Oral Presentations Diabetic Education</td>
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<td>Oral Presentations Exercise</td>
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<td></td>
<td>Debate Do-It-Yourself DEXY! Devices vs. Commercial Closed-Loop Systems for Managing Type 1 Diabetes (Includes Livestream)</td>
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<td></td>
<td>Oral Presentations Clinical Therapeutics</td>
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<td></td>
<td>Oral Presentations Oral Presentations</td>
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<tr>
<td>6:30 p.m.-</td>
<td>ADA Networking Reception</td>
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<td>Time</td>
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<tr>
<td>8:00 a.m.-</td>
<td>Symposium: The Goldilocks Paradigm of Physical Activity and the Foot</td>
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<td>8:30 a.m.</td>
<td>in Persons with Diabetes (Includes Livestream)</td>
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<tr>
<td>9:00 a.m.</td>
<td>Symposium: Implementation of Guidelines-Directed Medical Therapy for</td>
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<td>Cardiometabolic Disease—Emerging Multidisciplinary Initiatives</td>
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<tr>
<td>9:30 a.m.</td>
<td>Panel Discussion: Behavioral Markers of Diabetes Self-Management —</td>
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<td></td>
<td>State of the Science and Measurement Controversies — Honoring the</td>
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<td></td>
<td>Legacy of Mark Payet</td>
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<tr>
<td>9:45 a.m.</td>
<td>Symposium: The Heart of the Matter — Cardiovascular Health during</td>
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<td>Pregnancy and Beyond</td>
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<td>11:30 a.m.</td>
<td>Symposium: Overcoming Obstacles in Diabetes Management</td>
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<tr>
<td>11:45 a.m.</td>
<td>Symposium: Continuous Glucose Monitoring in Type 2 Diabetes — Are</td>
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<td></td>
<td>We There Yet?</td>
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<td></td>
<td>(Includes Livestream)</td>
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<tr>
<td>1:30 p.m.</td>
<td>Symposium: ADA Diabetes Care Symposium — Social Determinants of</td>
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<td>Health — Impact on Diabetes Development and Care</td>
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<tr>
<td>3:00 p.m.</td>
<td>Symposium: Diabetes in the Child with Obesity</td>
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<tr>
<td>3:15 p.m.</td>
<td>Symposium: ADA Diabetes Care Symposium —</td>
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<td>Emerging Multidisciplinary Initiatives</td>
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<td>(Includes Livestream)</td>
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<td>4:15 p.m.</td>
<td>Symposium: ADA Diabetes Care Symposium —</td>
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<td>Emerging Multidisciplinary Initiatives</td>
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<td>(Includes Livestream)</td>
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<tr>
<td>5:00 p.m.</td>
<td>Symposium: ADA Diabetes Care Symposium — Emerging Multidisciplinary</td>
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<td>Initiatives</td>
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<td>(Includes Livestream)</td>
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**DAY-AT-A-GLANCE SCHEDULE**

**SATURDAY, JUNE 24, 2023**

**Acute and Chronic Complications**

- **8:00 a.m.-9:30 a.m.**
  - Professional Interest Group: Professional Interest Group
  - Discussion on Foot Care (Includes Livestream)

- **9:30 a.m.-11:15 a.m.**
  - Professional Interest Group: Professional Interest Group
  - Discussion on Foot Care (Includes Livestream)

- **11:30 a.m.-12:30 p.m.**
  - Professional Interest Group: Professional Interest Group
  - Discussion on Foot Care (Includes Livestream)

- **12:30 p.m.-2:00 p.m.**
  - Professional Interest Group: Professional Interest Group
  - Oral Presentations: Hypoglycemia
  - Oral Presentations: Foot Care/Lower Extremities (With Roger Pecoraro Award Lecture) (Includes Livestream)

- **2:00 p.m.-3:30 p.m.**
  - Oral Presentations: Psychosocial/Behavioral Medicine
  - Oral Presentations: Clinical Nutrition

- **3:30 p.m.-5:00 p.m.**
  - Oral Presentations: Epidemiology
  - Oral Presentations: Immunology

- **5:00 p.m.-6:30 p.m.**
  - Oral Presentations: Insulin Action/Endocrinology (Animals)

- **6:30 p.m.-8:00 p.m.**
  - Oral Presentations: Obesity/Endocrinology (Includes Livestream)

- **8:00 p.m.-9:30 p.m.**
  - Oral Presentations:łowestrogen (Animals)

- **9:30 a.m.-11:15 a.m.**
  - ADA Chief Executive Officer Remarks; President, Health Care & Education Address; and Outstanding Educator in Diabetes Award Lecture (Includes Livestream)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Audience/Topic</th>
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<tbody>
<tr>
<td>3:15 p.m.-</td>
<td>Panel Discussion The Future Is Now — Artificial Intelligence and Diabetes Foot Disease</td>
<td>Exhibit Hall</td>
<td>Behavioral Medicine, Clinical Nutrition, Education, and Exercise</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>Panel Discussion Hypoglycemia as a Quality Measure — Rations, Challenges, and Opportunities</td>
<td>Exhibit Hall</td>
<td>Clinical Diabetes/Therapeutics</td>
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<td>Panel Discussion Above and Beyond the Regular Lipid Panel — Are Additional Measurements Really Needed?</td>
<td>Exhibit Hall</td>
<td>Epidemiology/Genetics</td>
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<td>Symposium The Evolving Clinical Spectrum of Diabetic Neuropathy</td>
<td>Exhibit Hall</td>
<td>Immunology/Beta-Cell Replacement</td>
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<td>Panel Discussion Nutrition in Pregnancy — Is Low-Carb a No-Go?</td>
<td>Exhibit Hall</td>
<td>Insulin Action/Molecular Metabolism</td>
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<td>Debate Technology or Immuno-modulation — The Best Course for Management of Type 1 Diabetes</td>
<td>Exhibit Hall</td>
<td>Obesity/Integrated Physiology</td>
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<td>Panel Discussion What Can Diabetes Quality Teams Learn from Engineers and Designers?</td>
<td>Exhibit Hall</td>
<td>Islet Biology/Insulin Secretion</td>
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<tr>
<td>3:45 p.m.-</td>
<td>Symposium The New Normal — Perspectives on Treatment and Trials as Immunotherapies Enter the Type 1 Diabetes Clinical Landscape (Includes Livestream)</td>
<td>Exhibit Hall</td>
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<td>4:15 p.m.</td>
<td>Symposium Twitter Bugs — Dancing between the Carbohydrate-Insulin and Energy Balance Models (Includes Livestream)</td>
<td>Exhibit Hall</td>
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<td>Debate Only Time Will Tell — Early Eating or Just Eating? (Includes Livestream)</td>
<td>Exhibit Hall</td>
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<td>Debate Is It Time to Revise Our Thinking on the Role of the K(ATP) Channel in Insulin Secretion?</td>
<td>Exhibit Hall</td>
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<tr>
<td>4:30 p.m.-</td>
<td>Symposium Joint ADA/AACG Symposium — Hyperglycemia in the Hospital — Are Our Tools for Measurement Accurate Enough?</td>
<td>Exhibit Hall</td>
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<td>6:00 p.m.</td>
<td>Symposium Multiancestry Genome-Wide Association Studies (GWAS) and Polygenic Risk Score (PRS)</td>
<td>Exhibit Hall</td>
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<td>Symposium Joint ADA/ESSO Symposium — Precision Medicine in Diabetes (PMDI) (Includes Livestream)</td>
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<td>Oral Presentations Clinical Therapeutics</td>
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<td>Oral Presentations New Technologies</td>
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<td>Oral Presentations Beta-Cell Replacement (Includes Livestream)</td>
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<td>Oral Presentations Metabolism, In Vivo (Humans)</td>
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<td><strong>8:00 a.m.-9:30 a.m.</strong></td>
<td><strong>Symposium</strong> New Treatment Possibilities for Cardiovascular Residual Risk in Diabetes? (Includes Livestream)</td>
<td><strong>Symposium</strong> Hot Topics in Nutrition—What’s the Evidence? (Includes Livestream)</td>
<td><strong>Panel Discussion</strong> Do Quality Improvement Efforts Reduce Health Care Disparities?</td>
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<td>Symposium Diabetes Kidney Disease in Type 1 and Type 2 Diabetes—The Same Disease?</td>
<td>Symposium Transforming Therapy with Ultra-Long-Acting Insulins</td>
<td><strong>Panel Discussion</strong> Updates in ADA’s Standards of Care in Diabetes—2023 (Includes Livestream)</td>
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<tr>
<td><strong>9:45 a.m.-11:15 a.m.</strong></td>
<td><strong>Symposium</strong> The NIDDK Diabetic Foot Consortium—So People with Diabetes May Stand Firm</td>
<td><strong>Symposium</strong> Hot Topics in Nutrition—What’s the Evidence? (Includes Livestream)</td>
<td><strong>Symposium</strong> Joint ADA/JDRF Symposium—Global Perspective on Population Level Type 1 Diabetes Screening and Monitoring</td>
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<tr>
<td><strong>11:30 a.m.-12:30 p.m.</strong></td>
<td><strong>Professional Interest Group</strong> Discussion on Diabetes and Cardiovascular Disease—SGLT2 Inhibitors—Innovative Research to Inform Clinical Practice (Includes Livestream)</td>
<td><strong>Professional Interest Group</strong> Discussion on Behavioral Markers of Diabetes Self-Management—Perspectives from Clinicians and People with Diabetes (Includes Livestream)</td>
<td><strong>Professional Interest Group</strong> Discussion on Diabetes Self-Management Education and Support (DISEM) (Includes Livestream)</td>
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<tr>
<td><strong>11:30 a.m.-12:30 p.m.</strong></td>
<td><strong>Professional Interest Group</strong> Discussion on Eye Health</td>
<td><strong>Professional Interest Group</strong> Discussion on Behavioral Markers of Diabetes Self-Management—Perspectives from Clinicians and People with Diabetes (Includes Livestream)</td>
<td><strong>Professional Development</strong> An Art of Writing a Winning Grant</td>
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<td><strong>12:30 p.m.-1:30 p.m.</strong></td>
<td>General Poster Session</td>
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<tr>
<td><strong>1:30 p.m.-3:00 p.m.</strong></td>
<td><strong>Oral Presentations</strong> Macrovascular Complications</td>
<td><strong>Ask the Expert</strong> Downloading Glucose Data Everywhere or All in One Place (Includes Livestream)</td>
<td><strong>Oral Presentations</strong> New Technologies (Includes Livestream)</td>
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<tr>
<td><strong>1:30 p.m.-3:00 p.m.</strong></td>
<td><strong>Oral Presentations</strong> Hypoglycemia</td>
<td><strong>Symposium</strong> Improving Inclusive Care in Pediatric Diabetes Clinics—ADA Youth Strategies Committee Symposium</td>
<td><strong>Oral Presentations</strong> Oral Presentations New Technologies</td>
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<td><strong>Symposium</strong></td>
<td><strong>Symposium</strong> The Islet-Cell Interactome (Includes Livestream)</td>
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<td>3:15 p.m.-</td>
<td><strong>Oral Presentations</strong>&lt;br&gt;<strong>Lipids</strong>&lt;br&gt;(Includes Livestream)&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Diabetic Kidney Disease&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Neuropathy&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Retinopathy</td>
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<td>4:15 p.m.</td>
<td><strong>Debate</strong>&lt;br&gt;What's the Verdict on Telehealth for Behavioral and Psychological Diabetes Care?&lt;br&gt;(Includes Livestream)&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Clinical Nutrition&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Diabetes Education&lt;br&gt;<strong>Oral Presentations</strong>&lt;br&gt;Exercise</td>
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<td>4:30 p.m.-</td>
<td><strong>Panel Discussion</strong>&lt;br&gt;Current Controversies in the Primary Prevention of Diabetes Macrovacular Complications (Includes Livestream)&lt;br&gt;<strong>Symposium</strong>&lt;br&gt;Creating a World without Visual Loss from Diabetes</td>
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<td>6:00 p.m.</td>
<td><strong>Panel Discussion</strong>&lt;br&gt;Let’s Talk Treatment — Discussing Options for Weight and Diabetes Management&lt;br&gt;<strong>Symposium</strong>&lt;br&gt;Joint ADA/ADCES Symposium — Implementing Technology into a Busy Practice — It Takes a Village! (Includes Livestream)</td>
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**Table Notes:**
- **Panel Discussion**
- **Professional Interest Group**
- **Symposium**
- **Workshop**
- **ePoster Theater**
- **iPoster Theater**
### DAY-AT-A-GLANCE SCHEDULE
**MONDAY, JUNE 26, 2023 (CONTINUED)**

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<thead>
<tr>
<th>Time</th>
<th>Acute and Chronic Complications</th>
<th>Behavioral Medicine, Clinical Nutrition, Education, and Exercise</th>
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| 3:15 p.m.-4:15 p.m. | Symposium Beyond Antihyperglycemic and Antihypertensive Agents for Diabetic Kidney Disease (Includes Livestream) | Symposium Updates in Diabetes and Fasting | Symposium Shared Decision-Making Either Isn't Practiced or Isn't Working | Symposium Is Metabolic Surgery or Lifestyle Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARIMMS-T2D Randomized Trial after 7–15 Years of Follow-Up (Includes Livestream) | Symposium Is Metabolic Surgery or Lifestyle Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARIMMS-T2D Randomized Trial after 7–15 Years of Follow-Up (Includes Livestream) | Symposium Comparing Beta-Cell Replacement vs. Artificial Pancreas — Smart Insulins with a Focus on New Innovations — Untested Technologies (Includes Livestream) | Symposium Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement | Symposium Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement |}

### Symposium Topics
- **Beyond Antihyperglycemic and Antihypertensive Agents for Diabetic Kidney Disease (Includes Livestream)**
- **Updates in Diabetes and Fasting**
- **Shared Decision-Making Either Isn't Practiced or Isn't Working**
- **Is Metabolic Surgery or Lifestyle Medical Management of Type 2 Diabetes Optimal for Long-Term Health? Long-Term Outcomes of the ARIMMS-T2D Randomized Trial after 7–15 Years of Follow-Up (Includes Livestream)**
- **Comparing Beta-Cell Replacement vs. Artificial Pancreas — Smart Insulins with a Focus on New Innovations — Untested Technologies (Includes Livestream)**
- **Standardization of Person-Reported Outcomes (PROs) — A Consensus Statement**
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)
  Ehsan Pourmaleki, MD
  Panel Discussion
  Ehsan Pourmaleki, MD
  Andrea M. Waitzberg, PhD
  Audrey H. Melendez, PhD
  Eric Stolation, MD
  Ronald W. Evans, PhD

1:45 p.m.-2:45 p.m.
- The Quest to Prevent or Delay Type 2 Diabetes: New Lessons from the Pathological and Physiological Bench (Includes Livestream)
  Ananya T. Srinivasan, PhD
  Panel Discussion
  Ananya T. Srinivasan, PhD
  Margaret S. Willoughby, PhD
  Michael Linzenstein, PhD
  Steven G. Kern, MD
  Mark J. Hegele, MD

2:45 p.m.-3:45 p.m.
- Diabetes Mellitus: A Complicated Journey (Includes Livestream)
  V. M. Balaji, MD
  Panel Discussion
  V. M. Balaji, MD
  Kavitha Ramaiah, MD
  Naveed Sattar, MD, PhD
  Venkata K. Reddy, MD
  Rose M. Serafini, MD

3:45 p.m.-5:15 p.m.
- Real-World Hyperglycemia in Older Adults with Diabetes (Includes Livestream)
  Performance Outcomes in Older Adults with Diabetes
  John J. Kjos, MD
  Panel Discussion
  John J. Kjos, MD
  Madhukar Trivedi, MD
  Christopher Gardener, MD
  V. M. Balaji, MD

5:15 p.m.-6:15 p.m.
- Interactive Case Studies — AID Systems — Which Setting Would You Change? (Includes Livestream)
  Introductory Lecture on Systems and Resources
  Stephen E. Gliedt, MD
  Panel Discussion
  Stephen E. Gliedt, MD
  V. M. Balaji, MD
  Patricia A. C. Cefalu, MD

6:15 p.m.-7:15 p.m.
- Setting the Stage — Type 1 Diabetes Onset — Recent Findings
  David W. Clements, MD
  Panel Discussion
  David W. Clements, MD
  Mark J. Hegele, MD
  Michael P. Tuomilehto, MD
  Marcus A. Schurman, MD

7:15 p.m.-8:15 p.m.
- Designer Beta Cells
  Introduction — Current State and Future Needs of Beta-Cell Replacement in Diabetes
  Christina N. Nostro, PhD
  Panel Discussion
  Christina N. Nostro, PhD
  Mark J. Hegele, MD
  Michael P. Tuomilehto, MD
  Marcus A. Schurman, MD

8:15 p.m.-9:15 p.m.
- Easing the Burden of Type 1 Diabetes
  Panel Discussion
  John J. Kjos, MD
  Madhukar Trivedi, MD
  Christopher Gardener, MD
  V. M. Balaji, MD

9:15 p.m.-10:15 p.m.
- Biology and Biology of Diabetes (Includes Livestream)
  Panel Discussion
  V. M. Balaji, MD
  John J. Kjos, MD
  Madhukar Trivedi, MD
  Christopher Gardener, MD
  Naveed Sattar, MD, PhD

10:15 p.m.-11:15 p.m.
- Pathway to Stop Diabetes — Bringing Diabetes in Check (Includes Livestream)
  Panel Discussion
  V. M. Balaji, MD
  John J. Kjos, MD
  Madhukar Trivedi, MD
  Christopher Gardener, MD
  Naveed Sattar, MD, PhD
**ADVANCE PROGRAM**

**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
  - Sharna Alohmam, PT, PhD
  - Physiological Considerations and Physical Activity Goals in Persons with Diabetes Foot Disease
  - Kristin Schneider, PhD

- Implementation of Guideline-Directed Medical Therapy for Cardiovascular Disease — Emerging Multidisciplinary Initiatives Where We Fall Short — Current Gaps in the Management of Cardiovascular Disease
  - Muthiah Vaduganathan, MD, MPH
  - Training at Intersections — The Cardiometabolic Fellowship
  - Robert H. Eckel, MD
  - One Step 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 Khara, MD, MS

9:45 a.m.—11:15 a.m.
- 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. RCGM in Insulin-Treated Type 2 Diabetes
  - Janet B. McGil, MD

11:30 a.m.—12:30 p.m.
- 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-Bigrigg, PhD, ABPP
  - Food Inequity and Diabetes
  - Neighborhood Physical Environment and Social Cohesion and Diabetes Prevalence and Care
  - Economic Adversity as a Driver of Outcomes for Individual with Diabetes
  - Erica P. Gunderson, PhD, MS, MPH

**ADVANCE PROGRAM**

**SUNDAY, JUNE 25**

9:45 a.m.—11:15 a.m.
- The Road Less Travelled — U.S. Rurality and Diabetes
  - Burden and Epidemiology of Diabetes in Rural America
  - Alva Ferdinando, DrPH, JD
  - Neighborhood Socioeconomic Environment and Influence on Diabetes
  - Gillian L. Booth, MD, MSc
  - Rural-Urban Trends in Diabetes Management
  - Giuseppina Imperatore, MD, PhD
  - Role Underlying Risk Areas in the Longitudinal (RURAL) Study — Collaborative Effort to Understand Rural Health
  - Vasan S. Ramachandran, MD, DM

11:30 a.m.—12:30 p.m.
- Endoplasmic Reticulum (ER) — Stress-Out Beta Cells
  - Genetic Evidence for Beta-Cell ER Stress in Diabetes
  - Elisa De Franco, PhD
  - Role of ATG in Beta Cells
  - Feyza Engin, PhD
  - Pharmacological Targeting of ER Stress in Diabetes
  - Fereidoun Reza, MD, PhD

9:45 a.m.—11:15 a.m.
- ADA Chief Executive Officer Remarks (Includes Livestream)
  - Charles Henderson

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

- 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 Fuel for Metabolism
  - George A. Brooks, PhD

- Professional Interest Group Discussion on Nutritional Sciences and Metabolism — Novel Methods of Dietary Assessment
  - Welcome and Introduction
  - Ranne Chatterjee Montgomery, MD, MPH
  - Metabolites as Markers of Dietary Intake
  - Modernization of Traditional Tools for Dietary Assessments
  - Keun D. Park, MD, PhD

- Professional Interest Group Discussion on Diabetes Workforce — A Panel Discussion on Women’s Professional Interest Group Discussion on Women’s Interprofessional Network of the ADA (MIN 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-Benchel, PhD, CDCES
  - Sue-Ellen Anderson-Haynes, MS, RDN, CDCES
SAN DIEGO, CA / HYBRID

Does a Defect in Barrier Function of Diabetes “Resistors” in the Kidney

Histopathological Features of Type 1 Diabetes—Past, Present, and Future

Breaking the Cycle of Hyperglycemia—It’s About Time—Eating and Exercising in Metabolic Health

It’s About Time — Eating and Exercising in Metabolic Health

Circadian Rhythm, Time-Restricted Eating, and Metabolic Health

Lisa S. Chow, MD, MS

Time-Restricted Feeding Improves Cardiometabolic Profile

Kyle Kavanagh, DVM, MS, MPH

Circadian Rhythm and Metabolism

Adim Weije, PhD

Acute Exercise Modifies the Hepatic Proteome and Metabolic Flux

Question and Discussion Period

In ADA’s Standards of Care in Diabetes—2023 (Includes Livestream)

Updates in ADA’s Standards of Care in Diabetes—2023 A2A Insights and Interventions (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

Rita Velepa, MD, PhD

Real-World Data in Diabetes Research — Promise or Peril?

Practical Tools for Evaluation of Real-World Evidence in Diabetes Research

Ali Khan, 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 DCAYA Study

Kristi Reynolds, PhD, MPH, FAHA

FAGE Question and Discussion Period

Nutrient-Stimulated Hormones

Anti-Obesity Pharmacotherapy

Game Changers (Includes Livestream)

Evaluation of Gastric Inhibitory Protease and Gut Hormones as Indicators of Food Intake and Ingestion

Persis Commissariat, PhD, CDCES

and Heart Disease in Obesity

Mona Mashayekhi, MD, PhD

SGLT2 inhibitor Effects on Inflammation and Heart Disease in Obesity

Mona Mashayekhi, MD, PhD

SGLT2 inhibitors — Further Evidence for Heart Failure with Preserved Ejection Fraction as a Metabolic Disease?

Justin Echoufo Tcheugui, MD, PhD

Professional Interest Group Discussion on Diabetes in Primary Care (Includes Livestream)

Welcome and Introduction

Stuart A. Weinzimer, MD

Professional Interest Group Discussion on Diabetes in Youth (Includes Livestream)

Welcome and Introduction

Sarah S. Jaser, PhD

Art of Writing a Winning Grant

Basic Science Perspective Clinical/Translational Science Perspective

Professional Interest Group Discussion on Diabetes Self-Management Education and Support (DSMES) (Includes Livestream)

Recap of Webinar Series

Michelle D. Stancil, RN, BSN, CDCES

The Business of DMMED—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, BCACP

Introduction

Rose Gubitosi-Klug, MD, PhD

Reparticle — Don’t Get Left Behind

Michelle D. Stancil, RN, BSN, CDCES

The Business of DMMED — 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, BCACP

Question and Discussion Period
3:15 p.m.-4:15 p.m.
• What’s the Verdict on Telehealth for Behavioral and Psychological Diabetes Care? (Includes Livestream)
  Telehealth improves Access, Fosters Innovations, and Achieves at Least Initial 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, MD
  Rebuttal
  Jennifer Raymond, MD, MCR
  Rebuttal
  Michael A. Harris, PhD

• Dual-Incretin Duel (Includes Livestream)
  Pro — Can We Afford It?
  Irby B. Hirsch, MD
  Pro — How Can We Afford It?
  Carol H. Wysham, MD
  Rebuttal
  Irby 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
  Kanit 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
  Stella 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 Stelforstyn Myers, MYPH, RDIN, 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, CSWIN, CDCES
  Question and Discussion Period

• Joint ADA/ADCES Symposium — Implementing Technology into a Busy Practice — It Takes a Village! (Includes Livestream)
  Introduction
  Jane Jeffrie Seley, DNP, MPH, MSN, RN
  Clinical Perspective — How DCCT/EDIC Changed the Care of Type 1 Diabetes
  Catherine Martin, MS, RN
  Cardiovascular Disease in Type 1 Diabetes
  Mark Huising, PhD
  Postnatal Beta Cells
  Rafael Arrojo e Drigo, PhD
  Fetal Beta Cells
  Satchidananda Panda, PhD

• Oral Semaglutide for Treatment of Obesity and Type 2 Diabetes — Results from OASIS 1 and PIONEER PLUS Trials (Includes Livestream)
  For Evaluating Higher-Dose GLP-1 RASs
  Vanita R. Aroda, MD
  OASIS 1 Results
  Filip K. Knop, MD, PhD
  PIONEER PLUS Trial Design and Baseline Characteristics
  Sue D. Pedersen, MD, FRCPGC
  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

• Time-in-Range — Where Are We Headed in 2023? (Includes Livestream)
  Time-in-Range in Clinical Trials
  Revati Nirni, 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. Glose, MBA
  Question and Discussion Period

• Improving Outcomes for Adolescents with Type 2 Diabetes Interdisciplinary Team Approach to Type 2 Diabetes Management (Includes Livestream)
  Katie L. O’Sullivan, MD
  Developing Community-Based Interventions for Youth with Obesity and Diabetes
  Cari Berget, RN, MPH, CDCES
  Medical or Surgical Treatment for Youth-Onset Type 2 Diabetes
  Amy Sanghavi Shah, MD, MS
  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, FMSci, FRIS
  Jakubus in the Treatment of Type 1 Diabetes
  Thomas Kay, PhD
  Ustekinumab in the Treatment of Type 1 Diabetes
  Colm Dayan, MD
  Perspective on Cytokine Specific Therapies in Type 1 Diabetes
  Massimo Gadina, PhD

• 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
  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
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  Colm 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, Temporal, and Rigidity Regulation of Cellular Function
  Wendy Gordon, PhD
  Changing the Conversation — How PMIs 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 Reversing of the Neural Circuitry Controlling Energy Balance
  Yang Xu, PhD
  Hormonal Control Over Energy Balance
  Franch Mauvais-Jarvis, MD, PhD
  Liver Lipid Metabolism Interacting with Hormones to Regulate Sex Differences in Immunity
  Jorn 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
  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
  Rafael Arrojo e Drigo, PhD
  Postnatal Beta Cells
  Mark Huising, PhD
  Beta-Cell Aging
  Michael A. Harris, PhD
  Question and Discussion Period

• Oral Presentations
MONDAY, JUNE 26

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

**SGLT2 and GLP-1R in Cardiovascular Disease** — An Update for Clinical Practice in 2023 (Includes Livestream)
SGLT2/GLP-1R in Cardiovascular Disease — Overview
Darren K. McGuire, MD, MHS
gSLT2 in Heart Failure — An Update
GlySGLT2 in Heart Failure — An Update
Pam R. Taub, MD, MGH
SGLT2/GLP-1R 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 Mercedelsohn, 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, BC-ADM
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. Kzem, 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
Locking through the ADA Lands — 2023 ADA Guidelines for Pediatrics
Priya Prakash, MD, PhD

**ADA Symposium — Major Advancements 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
John A. Allen, PhD
What Is Needed to Improve Outcomes?
More Physiologically 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 Elkhoury, PhD
Strategies to Improve Usability and Overcome Access and Adoption Barriers
Optimizing Diabetes Device Use in Early Adolescents Living with Type 1 Diabetes
Jennifer 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. Smidt, PhD
Integrated and Diverse Omics and Data Science
mRNA and CHAO-seq in Human Tissues and Organoids

**Engineering and Site Consideration for Cell Therapy**
Introduction — With What, Where, and How?
Michael Setton, MD
The Pro and Cons of Open Scaffolds vs. Encapsulation
Andrés García, PhD
Cotransplantation of Other Cell Types to Influence Engraftment
Qing Tang, PhD
Monitoring of Patients Post-Transplant
Norma Sue Keryon, PhD

**Observing Metabolism through New Lens**
Metabolic Signaling Pathways in Real Times
John Albeck, PhD
Imaging of Cell Cycle, Differentiation, and Cell Signaling
Mary Teruel, PhD
Intersity-Based Fluoroscans
Watching Malignant Complexity and Metabolism
Daniëlle Schmitt, PhD
Question and Discussion Period

**Single-Cell RNAseq Revolution — Decipher Metabolism One Cell at a Time**
Understanding Liver Functions and Diseases by scRNAseq
Dongyang 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. Dullho, PhD
Adaptations to Changes in Weight
Anthony W. Ferrante, MD, PhD

**The Jekyll and Hyde of Inflammatory Signals in Islets (Includes Livestream)**
IL-18 Stimulation Insulin Secretion via Neurotransmission
Sophia J. Wiedermann, MMEd, MSc
Effect of Gut-Derived Bacteria on Beta-Cell Inflammation and Dysfunction
Daniel van Raalte, MD, PhD
Novel Insights into Tumor Necrosis Factor (TNF) Receptor Signaling and Beta-Cell Death
Andrew T. Temple, PhD

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

**National Scientific & Health Care Achievement Award Presentation (Includes Livestream)**
Welcome and Introduction
Robert A. Gabbay, MD, PhD
Providing Caregiver 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
Nicol C. Barongo, MD, PhD, MPH
Have We Succeeded in Type 2 Diabetes Primary Prevention? Pro
Pablo Aschner, MD, MSc
Have We Succeeded in Type 2 Diabetes Primary Prevention? Con
Justin Echouffo Tcheugui, MD, PhD
Question and Discussion Period

**Professional Interest Group Discussion on Public Health and Epidemiology — The Role of Adaptive Thermogenesis in Type 2 Diabetes**
Welcome and Introduction
Viral Shah, MD
A Registry Study of Hybrid Closed-Loop Systems in Pregnancy — Endocrine Perspective
Greny O’Malley, MD
A Registry Study of Hybrid Closed-Loop Systems in Pregnancy — Maternal and Fetal Medicine Perspective
Celeste P. Durnwald, MD
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
Helder A. Rütli, PhD
Coating Islets from the Immune System
Cheryl L. Stabler, PhD
Immunogenic Modifying Therapies
Roland Tisch, PhD
Question and Discussion Period

**Professional Interest Group Discussion on Health Care Improvement — Best Practices in Implementing & Applying 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 Minn, MD, MS
Current and Proposed Revisions to the Quality Milestones 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
Providing Caregiver Resiliency
Addressing Provider Burnout
Question and Discussion Period

**Professional Interest Group Discussion on Public Health and Epidemiology — 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, FAACCP
COORDINATE — Diabetes Results Symposium
Christopher B. Granger, MD, FACC, FAHA
Endocrinology Perspective
Idlko Lingay, MD, MPh, MSc
Question and Discussion Period
**ADVANCE PROGRAM**

- **Exercise as Medicine — Physical Activity for Preventing and Managing Diabetes Complications**
- **Prevention of Microvascular Complications in Prediabetes (ePRIDICE) Study**
- **Jaakko Tuomilehto, MD, PhD**
  - Can You Feel 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**
  - MOIs in Control — Team-Based Approach
  - Daniel N. Pasko, MD
  - MOIs in Control — Day-to-Day Services
  - Hannah White, MS, RD, CDCA
  - MOIs in Control — Medication and Technology Management
  - Jessica Odom, PharmD, BCPS, BC-ADM
  - Saria Hassan, MD, MPH
  - Usha Sriram, MBBS

- **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.R.E.E.) Clinic Experience
  - Alanna Weisman, MD, PhD, FRCPC
  - 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
  - Alan G. Cummins, MD, FACP, FRCP (Edin), Fellow AIMBE

- **Retatruide (LY3437943), a Novel GIP/GLP-1/Gluagon Receptor Trigagonist — Obesity, NAFLD, and T2D Phase 2 Trial Results (Includes Livestream)**
  - Why Three? Leveraging the Metabolic Action of Glucagon in Retatruide, a Novel GIP/GLP-1/Gluagon Receptor Trigagonist
  - Retatruide Obesity — Efficacy and Safety Results of the 48-Week Obesity Phase 2 Trial
  - Ania M. Jastreboff, MD, PhD
  - Retatruide NAFLD — Phase 2 Trial Results in Subset of Patients with Obesity and NAFLD
  - Ajan J. Sanayi, MD
  - Retatruide T2D — Efficacy and Safety Results of the 36-Week T2D Phase 2 Trial
  - Julio Rosenstock, MD

- **Joint ADA/The Lancet Symposium — Racial and Gender Inequalities — An International Perspective**
  - Racial Inequality in Diabetes
  - Louise Maple-Brown, MBBS, FRACP, PhD
  - Gender Inequality in Diabetes
  - Usha Sriam, MBBS
  - Recommendations to Address Racial Inequality in the U.S.
  - Sara Hassan, MD, MPH
  - Real-World International Case Studies to Address Racial and Gender Inequality in Diabetes
  - Shivani Agarwal, MD, MPH
  - Panel Discussion
  - Louise Maple-Brown, MBBS, FRACP, PhD
  - Usha Sriam, MBBS
  - Saran Hassan, MD, MPH
  - Shivani Agarwal, MD, MPH
  - Chittaranjan Tajnik, MD, FRCP
  - Ashty R. Walker, PhD

- **Clinical Cell Therapy for Diabetes Technology**
  - Introduction — Clinical Islet Transplantation — Where Are We Now?
  - David A. Bastal, MD
  - Islet Auto-Transplant — Lessons Learned for Cell Therapy in Diabetes
  - Meline Bellin, MD
  - Is There a Role for Cadavereic 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**
  - Lyse 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 Xiong, MD
  - Microbiome Regulation of Exercise
  - Christoph A. Thaiss, PhD, BS, MS

- **Let’s Talk about Sex (Differences in Islet Biology) (Includes Livestream)**
  - Sex Differences in the Islet Stress Response
  - Elizabeth Riddle, PhD, BSc
  - Differential Methylation Yields Sex Differences in Islet Function in Health and Disease
  - Kari Bacos, PhD
  - Sex Differences in the Beta-Cell Response to Maternal Obesity
  - Lim Kua, MD

- **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
  - Christine Limonte, MD
  - Future Therapies Targeting Mitochondrial Dysfunction and Oxidative Stress to Mitigate Diabetic Kidney Disease (Intraocular NAD+, JAX-STAT, Tg(fera)
  - Ashish Verma, MD
  - What about Children and Adolescents with Diabetes
  - Kaile L. Tommerdahl, MD

- **Face It? GLP-1 Med Making My Sight Worse? — New Considerations in Management of Diagnostic 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?
  - Guan Dong Nguyen, MD, MSc

- **Early Diagnosis of Diabetes Cardiomyopathy (DDCM) — What Can Be Done?**
  - Cross-Sectional Analysis of a Large Cohort of Patients with DDCM Enrolled in a Longitudinal Study — The Baseline Results of the ARSIE-HF Trial
  - Diagnosis of Diabetes Cardiomyopathy Based on Circulating Marker of Disease
  - James L. Januczi, MD
  - Molecular Mechanisms Leading to Diabetic Cardiomyopathy
  - Lim Kua, MD

- **Updates in Diabetes and Fasting Diabetes and Ramadan Fast — For a Safer Intermittent Fasting and Diabetes**
  - Question and Discussion Period

- **Comparing Beta-Cell Replacement vs. Artificial Pancreases — 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
  - Rebutil
  - Michael R. Rickels, MD, MS
  - Rebutil
  - Bruce A. Buckingham, MD

- **Oral Presentations**