BRIDGING DIABETES RESEARCH WITH GROUNDBREAKING DISCOVERIES

scientificsessions.diabetes.org

PRELIMINARY PROGRAM
ABOUT THE MEETING
Don’t miss this opportunity to join your colleagues at the world’s largest, most prominent meeting on diabetes—the American Diabetes Association’s 79th Scientific Sessions!

The Scientific Sessions offers researchers and health care professionals the unique opportunity to share ideas and learn about significant advances and breakthroughs in diabetes. Immerse yourself in what’s now and what’s next with comprehensive programming that covers the full spectrum of diabetes research, treatment, and care.

The program begins on Friday, June 7 at 11:30 a.m. and concludes on Tuesday, June 11 at 11:45 a.m.

MEETING LOCATION
Moscone Center
747 Howard Street
San Francisco, CA 94103

TARGET AUDIENCE
Physicians, scientists, researchers, physician assistants, nurses, nurse practitioners, dietitians, pharmacists, mental health professionals, and other health care professionals involved in diabetes research or the delivery of diabetes care and services will benefit from the comprehensive programming of the Scientific Sessions.

CONTINUING EDUCATION
Continuing Education Credit is available for physicians, family physicians, international physicians, nurses, pharmacists, mental health professionals, dietitians, and certified diabetes educators.

PROGRAM INFORMATION
The program is categorized into 8 distinct theme areas allowing you to focus within your specialty or expand your knowledge in other areas.
Theme Areas:
- Acute and Chronic Complications
- Behavioral Medicine, Clinical Nutrition, Education, and Exercise
- Clinical Diabetes/Therapeutics
- Epidemiology/Genetics
- Immunology/Transplantation
- Insulin Action/Molecular Metabolism
- Integrated Physiology/Obesity
- Islet Biology/Insulin Secretion

Major Trials and Studies
Never before have so many groundbreaking trials/studies been presented in a single year at the Scientific Sessions. Keep room in your schedules for the following:
- CREDENCE and CARMELINA—Results from Two Major Clinical Trials in Kidney and Cardiovascular Disease in Diabetes
- Oral Semaglutide—The PIONEER Program
- DECLARE-TIMI 58 Trial
- Longitudinal Outcomes in Youth with Type 2 Diabetes—The TODAY2 Study
- The CAROLINA Trial—First Results of the Cardiovascular Outcomes Trial Comparing Linagliptin vs. Glimepiride
- Once-Weekly Dulaglutide and Major Cardiovascular Events—Results of the REWIND Trial
- Results and Comparisons from the RISE Clinical Trial—Adult Medication Arm
- Updates on the Role of Supplements in Diabetes Prevention and Treatment—The Vitamin D and Type 2 Diabetes (D2d) Study, a Multicenter Randomized Controlled Trial for Diabetes Prevention
- PREVIEW Study Results—Prevention of Diabetes through Lifestyle Intervention and Population Studies around the World

In addition to symposia, case studies, and debates the Scientific Sessions will also feature programming in the following formats:
- Mini-Symposia
- Professional Interest Group Discussions
- Oral Presentations
- Poster Presentations
- Moderated Poster Discussions
- ePoster Theater Sessions

REGISTRATION AND HOUSING DATES

| Registration and Housing opens: | December 4, 2018 |
| Last day to register at the Early Bird rate: | February 21, 2019 |
| Last day to register at the Advance rate: | April 25, 2019 |
| Last day to request Housing: | May 10, 2019 |
EXHIBIT HALL
The Exhibit Hall showcases products and services that will enhance your understanding of the latest groundbreaking technology and resources available today. Visit the Exhibit Hall to also attend our interactive ePoster Theater Sessions. The Exhibit Hall will be open on Saturday, Sunday, and Monday.

POSTER HALL
Explore the Poster Hall and view over 2,000 posters displaying the latest investigative methods. Attendees can also meet with poster presenters during General Poster Sessions and Moderated Poster Discussions. The Poster Hall will be open on Saturday, Sunday, and Monday.

PRODUCT THEATERS
Industry experts will provide insight into diabetes services and products and demonstrate innovative equipment. Product Theaters will be scheduled during morning, lunch, and afternoon breaks in the Exhibit Hall on Saturday, Sunday, and Monday.

CORPORATE SYMPOSIA
These morning and evening satellite programs are planned and conducted by the corporate community in conjunction with the Scientific Sessions. Registration and symposia information will be available in early April.

NETWORKING RECEPTION
Join us Friday evening from 6:30 p.m. to 8:30 p.m. for a Networking Reception. Catch up with your colleagues while enjoying complimentary hors d’oeuvres and beverages.

PROGRAM AT-A-GLANCE

<table>
<thead>
<tr>
<th>Friday, June 7</th>
<th>Saturday, June 8</th>
<th>Sunday, June 9</th>
<th>Monday, June 10</th>
<th>Tuesday, June 11</th>
</tr>
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<tbody>
<tr>
<td>11:30 a.m. – 1:45 p.m. Mini-Symposia Sessions</td>
<td>8:00 a.m. – 10:00 a.m.</td>
<td>6:30 a.m. – 7:20 a.m.</td>
<td>7:30 a.m. – 2:00 p.m.</td>
<td>7:30 a.m. – 11:45 a.m.</td>
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<td>2:00 p.m. – 6:15 p.m. Sessions</td>
<td>10:00 a.m. – 4:00 p.m.</td>
<td>7:30 a.m. – 6:30 p.m.</td>
<td>8:00 a.m. – 10:00 a.m.</td>
<td>8:00 a.m. – 11:45 a.m.</td>
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<td>6:30 p.m. – 8:30 p.m. Networking Reception</td>
<td>10:00 a.m. – 6:00 p.m.</td>
<td>8:00 a.m. – 10:00 a.m.</td>
<td>10:00 a.m. – 2:00 p.m.</td>
<td>7:30 a.m. – 11:45 a.m.</td>
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<tr>
<td></td>
<td>10:15 a.m. – 11:15 a.m.</td>
<td>10:00 a.m. – 4:00 p.m.</td>
<td>10:00 a.m. – 2:00 p.m.</td>
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<td>11:30 a.m. – 12:30 p.m.</td>
<td>10:15 a.m. – 11:45 a.m.</td>
<td>12:00 p.m. – 1:00 p.m.</td>
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<td></td>
<td>General Session</td>
<td>General Session</td>
<td>Professional Interest Group Discussions</td>
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<tr>
<td></td>
<td>General Poster Session</td>
<td>General Poster Session/Moderated Poster Discussions/ePoster Theater Sessions</td>
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<td></td>
<td>Professional Interest Group Discussions</td>
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<td>12:00 p.m. – 1:00 p.m. Moderated Poster Discussions/ePoster Theater Sessions</td>
<td>12:00 p.m. – 1:00 p.m.</td>
<td>Session Break (Time to explore the Exhibit and Poster Halls)</td>
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<td>1:45 p.m. – 6:00 p.m. Sessions</td>
<td>1:00 p.m. – 2:00 p.m.</td>
<td>1:00 p.m. – 6:30 p.m.</td>
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<td>2:15 p.m. – 6:30 p.m.</td>
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<tr>
<td></td>
<td>Session Break (Time to explore the Exhibit and Poster Halls)</td>
<td>2:15 p.m. – 6:30 p.m.</td>
<td>2:15 p.m. – 6:30 p.m.</td>
<td>Sessions</td>
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SIXTH ANNUAL FOCUS ON FELLOWS
The Focus on Fellows program offers a unique opportunity for early-career endocrinologists who treat diabetes and its complications to take advantage of small-group learning and networking experiences during the Scientific Sessions:
- Peer-to-peer engagement during small-group breakout sessions June 6-7.
- Opportunities to meet senior scientists/clinicians during receptions and “Lunch with the Expert” sessions.
- Support in navigating the larger, Scientific Sessions meeting with ongoing activities and a private lounge.

Interested fellows are encouraged to apply. The application process opens in December at professional.diabetes.org/fellows.

WOMEN’S INTERPROFESSIONAL NETWORK
The Women’s Interprofessional Network of the American Diabetes Association (WIN ADA), is the world’s leading network of women clinicians, scientists, and educators in the diabetes field. WIN ADA will host multiple events at the Scientific Sessions, including an interactive mini-symposium on communicating science and an evening networking reception.

Learn more and become a WIN ADA member today at professional.diabetes.org/winada.

DIABETES IS PRIMARY
This interactive program, developed specifically for the primary care community, and held in conjunction with the Scientific Sessions, will offer information needed to improve patient outcomes and enhance patient engagement. The program will be held on Friday, June 7.

A registration fee of $100 is required and includes program admission, continuing education credits, course materials, and lunch. Scientific Sessions attendees can sign up for Diabetes Is Primary when registering for the Scientific Sessions.

MENTAL HEALTH PROVIDER DIABETES EDUCATION PROGRAM
The American Diabetes Association and American Psychological Association have partnered to offer up to 12.0 CEUs for licensed mental health professionals interested in providing mental health care to people with diabetes. The program takes place in two parts, the first is a 7-hour in person program, followed by a 5-hour online course.

For more information, visit professional.diabetes.org/mentalhealth.

SCIENTIFIC SESSIONS DISCLOSURE SYSTEM
This time-saving system eliminates the process of re-entering contact information and disclosures for authors listed on more than 1 abstract. Abstract authors are responsible for entering their contact information and disclosures into the Disclosure System once per Scientific Sessions year. The abstract submission site will not allow an author to be added to an abstract submission without a disclosure record on file.

Don’t wait until the last minute!
Those who plan to be a co-author on an abstract submission should complete the disclosure process now.


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 visa application, visit scientificsessions.diabetes.org in early December and click on the “Travel and Transportation Information” tab to download the letter.

SUBMIT YOUR ABSTRACT
- Accepted abstracts are published in the journal Diabetes®.
- Share your research with colleagues from around the world.
- A limited number of travel grants in the amount of $1,000 USD are available to qualified early-career investigators.

Regular Abstract Submission Deadline:
January 7, 2019

Late Breaking Abstract Submission:
February 1, 2019 - March 11, 2019

Visit scientificsessions.diabetes.org to submit your research today!
REGISTRATION RATES

<table>
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<tr>
<th>Category</th>
<th>EARLY BIRD</th>
<th>ADVANCE</th>
<th>FINAL</th>
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<td>$555</td>
<td>$605</td>
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<tr>
<td>Non-Member</td>
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<td>$875</td>
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<td>One-Day Registration — Non-Member</td>
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*In order to qualify for the Member rate your Medicine and Science or Health Care and Education Membership must be active through June 30, 2019 at the time of registration.

Note: Registration and housing should only be accessed from the ADA website, scientificsessions.diabetes.org, and reserved through the ADA’s official registration and housing provider (CMR). If you do not see this logo on the website, then they are not our official provider.

REGISTRATION CATEGORIES

Member
Medicine and Science or Health Care and Education Professional Members. Have your Professional Member ID number available to register as a member. Professional Members who purchase a full meeting registration will receive online access to the Scientific Sessions webcasts free of charge!

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 1 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.

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.

REGISTRATION AND HOUSING
Registration and Housing will open December 4, 2018.

Registration Information
Visit scientificsessions.diabetes.org and click on the “Registration Information” tab to register online. Receive your confirmation and periodic updates via e-mail when you register online. If you are unable to register online, a downloadable registration form will be available on the website.

Housing Information
Reserve your hotel room online by May 10, 2019. A complete listing of ADA hotels, with rates and a locator map, is available on pages 6-7 and at scientificsessions.diabetes.org. Hotel reservations are available on a first-come, first-served basis. Reserve your room early for the best options. All hotels require a credit card guarantee. If you are unable to reserve online, a downloadable housing form will be available on the website.

SHUTTLE BUS TRANSPORTATION
Attendees who reserve their hotel rooms 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 hotel 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 9:00 p.m. (Eastern Time) (866) 290-9910 (Toll Free U.S. & Canada) (415) 268-2086 (International). Visit the ADA Support Center at ada.cmrushelp.com.
<table>
<thead>
<tr>
<th>Map #</th>
<th>Hotels</th>
<th>Rates</th>
<th>Address</th>
<th>Distance to CC</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Alise San Francisco</td>
<td>$285 s/d</td>
<td>580 Geary Street</td>
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<tr>
<td>2</td>
<td>Americia Hotel</td>
<td>$239 s/d</td>
<td>21 Seventh Street</td>
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<td>3</td>
<td>Cartwright Hotel Union Square</td>
<td>$249 s/d</td>
<td>524 Sutter Street</td>
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<tr>
<td>4</td>
<td>Cliff Royal Sonesta Hotel</td>
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<tr>
<td>5</td>
<td>Courtyard San Francisco Downtown</td>
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<td>6</td>
<td>Executive Hotel Vintage Court</td>
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<tr>
<td>7</td>
<td>Fairmont San Francisco</td>
<td>$339 s/d - Main Building Rooms $409 s/d - Deluxe Tower Rooms</td>
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<td>8</td>
<td>Four Seasons Hotel San Francisco</td>
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<td>757 Market Street</td>
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<tr>
<td>9</td>
<td>Good Hotel</td>
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<td>112 Seventh Street</td>
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<tr>
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<td>Grand Hyatt San Francisco</td>
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<td>345 Stockton Street</td>
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<tr>
<td>11</td>
<td>Handlery Union Square Hotel</td>
<td>$214 s/d - Historic Rooms $244 s/d - Premier Rooms</td>
<td>351 Geary Street</td>
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<tr>
<td>12</td>
<td>Hilton San Francisco Financial District</td>
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<td>750 Kearny Street</td>
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<tr>
<td>13</td>
<td>Hilton San Francisco Union Square</td>
<td>$333 s/d - Classic Rooms $353 s/d - Deluxe Rooms $373 s/d - Executive Level Rooms</td>
<td>333 O’Farrell Street</td>
<td>.7 Mile</td>
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<tr>
<td>14</td>
<td>Holiday Inn San Francisco Golden Gateway</td>
<td>$279 s/d</td>
<td>1500 Van Ness Avenue</td>
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<tr>
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<td>Hotel Carlton</td>
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<tr>
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<td>21</td>
<td>Hotel Spero</td>
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<tr>
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<td>8 Mission Street</td>
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<tr>
<td>25</td>
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<tr>
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<tr>
<td>27</td>
<td>Hotel Zetta San Francisco</td>
<td>$340 s/d</td>
<td>55 Fifth Street</td>
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Map # | Hotels | Rates | Address | Distance to CC |
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<tr>
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<tr>
<td>28</td>
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<td>31</td>
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<td>32</td>
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<tr>
<td>33</td>
<td>King George Hotel</td>
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<td>35</td>
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<td>$276 s/d</td>
<td>609 Sutter Street</td>
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<td>42</td>
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<td>Park Central Hotel San Francisco</td>
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<td>45</td>
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<td>225 Powell Street</td>
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<td>W San Francisco</td>
<td>$381 s/d</td>
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<td>Less than 1 block</td>
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<td>53</td>
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<td>$360 s/d - Guest Rooms $390 s/d - Deluxe Rooms</td>
<td>335 Powell Street</td>
<td>.6 Mile</td>
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**Occupancy Tax:** Hotel room rates do not include a 16.25% - 16.75% occupancy tax (subject to change without notice).

**Corporate Symposia Hotels:** InterContinental San Francisco and San Francisco Marriott Marquis, St. Regis San Francisco, and W San Francisco (subject to change without notice).
Acute and Chronic Complications

What You Absolutely Need to Know about Diabetic Neuropathies to Apply Personalized Care to Your Patients in 2019

Opioids, Cannabinoids, and Other Potentially Addictive Therapies in Painful Diabetic Neuropathy

Hypoglycemia in Type 2 Diabetes

Hypoglycemia in Special Circumstances

Hypoglycemia and Cardiovascular Events—A Causal Relationship?

Controversies in the Evaluation and Management of Dyslipidemia in Patients with Diabetes

Is Very Aggressive Lowering of LDL Cholesterol Worthwhile?

Cardiovascular and Renal Protection in Diabetes—Emphasis on SGLT2 Inhibitors and GLP-1 Receptor Agonists

Joint ADA/ASN Symposium—Cardiovascular and Renal Protection in Diabetes—Beyond SGLT2 Inhibitors and GLP-1 Receptor Agonists

Diabetic Kidney Disease and Cardiovascular Disease in Diabetes

Translation of Cardiorenal Outcomes Trials into Other Populations with Diabetes

Beyond Anti-VEGF Therapy—New Approaches in Diabetic Retinopathy Clinical Trials

How to Help Your Patients and Your Bottom Line Using Novel Diabetic Retinopathy Diagnostic Tools

Modifiers of Cardiovascular Outcomes in Type 1 and Type 2 Diabetes

Once-Weekly Dulaglutide and Major Cardiovascular Events—Results of the REWIND Trial

Joint ADA/ACC Symposium—Cardiovascular Disease in Patients with Diabetes

The Big Picture on the Diabetic Foot

Common Practices That Do Not Make Sense—Dilemmas in Diabetic Foot Management

I Can Tell When You Are Inflamed—Early Warning Systems in Diabetic Foot Self-Monitoring

Behavioral Medicine, Clinical Nutrition, Education, and Exercise

Making the Numbers Meaningful—The Value of Qualitative Research in Diabetes

Little Kids with Diabetes—Approaches to Care across Nutrition, Eating, and Technology

Extending Our Reach—Alternative Delivery Approaches for Psychosocial Care in Diabetes

Making a Difference in Five Minutes—Interventions in Diabetes for Anyone

Transition from Pediatric to Adult Diabetes Care—What’s Really Working?

ADA Nutrition Therapy for Adults with Diabetes—2019 Consensus Paper

Does When We Eat Matter? Effects of Timing on Weight, Metabolic Risk Factors, and Glycemic Control

PREVIEW Study Results—Prevention of Diabetes through Lifestyle Intervention and Population Studies around the World

Providing Options—Using a Low-Carbohydrate or Very Low-Carbohydrate Diet with Adults with Type 1 Diabetes, Type 2 Diabetes, or Prediabetes

Updates on the Role of Supplements in Diabetes Prevention and Treatment—The Vitamin D and Type 2 Diabetes (D2d) Study, a Multicenter Randomized Controlled Trial for Diabetes Prevention

Using Shared Decision Making When Choosing a Diabetes Device

Improving Quality of Care and Safety in the Inpatient Setting

Language Matters—Improving Communication in Diabetes Care

Diabetes Management and Education for Special Populations

Using Innovative Educational Strategies to Reach the Underserved—Community Health Workers, Peer Educators, and More

Women’s Interprofessional Network of the ADA (WIN ADA) Symposium—Using Tools and Strategies to Effectively Communicate Science

An Exercise Challenge—How Diabetes Impacts the Health Benefits of Exercise Training

Taking a Stand (or Walk/Run/Lift) for Better Health—Improving Glycemic Management with Physical Activity

Exercise-Induced Browning of White Adipose Tissue—What Is the Translational Significance?

Patient, Physician, and Researcher Perspectives on Exercise as an Appropriate Tool for Managing Cardiovascular Complications of Diabetes

Clinical Diabetes/Therapeutics

Making Insulin Affordable

Which Benefit Design and Behavioral Economic Interventions Can Be Used to Facilitate Diabetes Prevention?

The Impact of Payment Models on Diabetes Care

Digital Apps for Diabetes Treatment and Prevention—Opportunities and Challenges

Paternal Programming—I’m Your Papa

Maternal Effects on Offspring Cognitive and Neurodevelopment

Got Milk? Variability in Milk Composition and Effects on Offspring Health

How Do We Break the Gestational Diabetes Mellitus—Type 2 Diabetes Mellitus Obesity Cycle?

Joint ADA/ISPAD Symposium—Understanding Heterogeneity in Pediatric Diabetes—First Step to Improving Outcomes

Longitudinal Outcomes in Youth with Type 2 Diabetes—The TODAY2 Study

Joint ADA/JDRF Symposium—Continuous Glucose Monitoring in Pediatric Diabetes—Ready for Prime Time?

TrialNet—New Therapeutic Approaches and Insights for Type 1 Diabetes

Screening for Complications in Youth with Type 1 Diabetes—Are We On the Right Path?

Challenging the Importance of Hypoglycemia in Type 2 Diabetes—Serious or Just Hype?

SGLT-Inhibitor Adjunctive Therapy in Type 1 Diabetes Mellitus—Is It Worth It?

Glycemic Goals and Overtreatment—What’s Driving the Debate?


- Update on Diabetes Management in the Hospital
- On the Road to Automated Insulin Delivery (AID)
- Should Advanced Diabetes Technology Be Used in Older Adults?
- What Are the Contributions of the Evolving Real-World Evidence?
- Choosing Evidence-Based Therapy for Type 2 Diabetes Mellitus with Cardiovascular Disease
- Medication Adherence—What You Don’t Know Will Definitely Hurt You
- Too Many Patients, Too Little Time—Streamlining Practice to Care for the Patient with Diabetes
- Diabetes Management in Long-Term Care Facilities—Challenges and Solutions
- Oral Semaglutide—The PIONEER Program
- Pains and Gains in Continuous Glucose Monitoring
- Opportunities and Challenges of Real-World Evidence in Diabetes
- ADA Diabetes Care Symposium—Highlights of Diabetes Care—Three Hot Topics
- CREDENCE and CARMELINA—Results from Two Major Clinical Trials in Kidney and Cardiovascular Disease in Diabetes
- Major Advances and Discoveries in Diabetes—The Year in Review
- The CAROLINA Trial—First Results of the Cardiovascular Outcomes Trial Comparing Linagliptin vs. Glimepiride
- DECLARE-TIMI 58 Trial
- Joint ADA/ASMBs Symposium—Interventional Treatment of Diabetes—The Scientific and Clinical Evidence Regarding Metabolic Surgery and Implementation into Clinical Practice

**Integrated Physiology/Obesity**
- Is Intermuscular Adipose Tissue a Friend or a Foe to Metabolic Health?
- How Does Neuroscience Inform Our Care of Patients with Obesity?
- Defense of Elevated Body Fatness in Obesity—Pathogenesis and Treatment
- Evolving Treatments for Obesity
- Organization of Liver Metabolism and Nonalcoholic Fatty Liver Disease
- The Mighty Mitochondrion—Powering Up Metabolism from MENTSH to MOXI to Mitophagy
- Go with Your Gut—Intestinal Regulation of Metabolism
- The Banting Exchange—The Almighty Adipocyte
- The Artificial Pancreas in 2019—First Reports of New, Large-Scale Trials and the Path Forward
- NASH—The Overlooked Complication of Type 2 Diabetes
- The Heart and Type 2 Diabetes
- Results and Comparisons from the RISE Clinical Trial—Adult Medication Arm

**Islet Biology/Insulin Secretion**
- The Excited Beta Cell—Novel Insights into Hormone Secretion
- New Technologies in Islet Biology
- The Complicit Beta Cell in Type 1 Diabetes
- Beta-Cell Organelles Chat It Up (or Talk Amongst Themselves)
- The Resilient Beta Cell
- From Genome-Wide Association Studies to Functional Impact in the Beta Cell
- Stimulating Beta-Cell Proliferation or Beta-Cell Function to Treat Diabetes?
- Will the Real Beta Cell Please Stand Up?
- ADA Diabetes Symposium—The Alpha Cell in Full Bloom—Evidence for an Expanded Role in Metabolic Regulation
- Current Issues in Diabetes Research

Session titles are subject to change.
SCIENTIFIC SESSIONS
MEETING PLANNING COMMITTEE

The Scientific Sessions Meeting Planning Committee enhances the scientific program by planning and developing cutting-edge research topics that teaches lessons of relevance in diabetes and encourages the exchange of information.

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