



77TH
**SCIENTIFIC
SESSIONS**

SAN DIEGO, CA • JUNE 9 - 13, 2017

EXPERIENCE NEW HORIZONS IN DIABETES

PRELIMINARY PROGRAM

scientificsessions.diabetes.org

ABOUT THE MEETING

The American Diabetes Association's Scientific Sessions offers researchers and health care professionals from around the world the unique opportunity to share ideas and learn about the significant advances in diabetes research, treatment, and care.

Over the course of five days, participants will receive exclusive access to more than 3,000 original research presentations, take part in provocative and engaging exchanges with leading diabetes experts, expand their professional networks, and so much more.

The program will begin on Friday, June 9 at 11:30 a.m. with our Mini-Symposia Sessions and conclude on Tuesday, June 13 at 11:45 a.m. after the ADA Presidents Oral Session.

Don't miss this opportunity to join your colleagues at the world's largest meeting focused on diabetes—the American Diabetes Association's 77TH Scientific Sessions!

MEETING LOCATION

The meeting will take place at the San Diego Convention Center, 111 West Harbor Drive, San Diego, CA 92101.

TARGET AUDIENCE

Physicians, scientists, researchers, nurses, nurse practitioners, dietitians, podiatric physicians, pharmacists, psychologists, 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.

PROGRAM INFORMATION

The program is categorized into eight 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

Along with the sessions being developed by the Scientific Sessions Meeting Planning Committee, we are pleased to announce that the results of the following clinical trials will be presented for the first time at the Scientific Sessions:

- Cardiovascular Safety of Insulin Degludec versus Insulin Glargine in Patients with Type 2 Diabetes at High Risk of Cardiovascular Events (DEVOTE) Trial Results

- Results of the JDRF Reducing with Metformin Vascular Adverse Lesions in Type 1 Diabetes (REMOVAL) International Multicenter Trial
- Effects of Canagliflozin on Renal Endpoints in Adult Participants with Type 2 Diabetes Mellitus (CANVAS-R) Trial Results
- Type 1 Diabetes TrialNet Oral Insulin Trial and DIAPREV-IT Trial with GAD-Vaccine

For a list of sessions see pages 6-7.

Continuing Education Credit

Credit is available for physicians, family physicians, international physicians, podiatric physicians, nurses, pharmacists, psychologists, dietitians, and certified diabetes educators.

Award Lectures

Each year, the Association recognizes the outstanding contributions of individuals in the diabetes scientific community through its awards program.

Special lectures will be given during the Scientific Sessions for the following named awards:

- Banting Medal for Scientific Achievement
- Outstanding Scientific Achievement Award
- Outstanding Educator in Diabetes Award
- Kelly West Award for Outstanding Achievement in Epidemiology
- Richard R. Rubin Award
- Roger Pecoraro Award
- Norbert Freinkel Award
- Edwin Bierman Award



REGISTRATION AND HOUSING DEADLINES

| | |
|--|-------------------|
| Registration and Housing Opens: | December 1, 2016 |
| Last day to register at the Early Bird rate: | February 23, 2017 |
| Last day to register at the Advance rate: | April 27, 2017 |
| Last day to request housing: | May 12, 2017 |
| Last day to register online: | June 1, 2017 |

Visit scientificsessions.diabetes.org to register.

Mini-Symposia

Mini-Symposia are one-hour sessions that include 1-2 speakers. Speakers will present on a topic for a maximum of 20 minutes with the remainder of the time devoted to questions and discussion with the audience. These sessions will take place on Friday from 11:30 a.m. to 12:30 p.m. and from 12:45 p.m. to 1:45 p.m.

Professional Interest Groups

Join hot-topic sessions on Saturday, Sunday, and Monday on the latest in research and care specific to these specialty areas:

- Behavioral Medicine and Psychology
- Clinical Endocrinology, Health Care Delivery, and Public Health
- Complications
- Diabetes in Youth
- Education
- Epidemiology and Statistics
- Exercise
- Foot Care
- Immunology, Immunogenetics, and Transplantation
- Nutritional Science and Metabolism
- Pregnancy and Reproductive Health

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 380 original presentations highlighting the most innovative research not found at any other meeting.

Poster Presentations

Explore over 2,000 posters displaying the latest investigative methods in the Poster Hall on Saturday, Sunday, and Monday. Poster presenters will be at their poster boards for one-hour on an assigned day to discuss their research with attendees.

Moderated Poster Discussions

Listen in as moderators lead attendees on one-hour tours of select posters, sharing their perspectives and highlighting novel or recent advancements in question and answer discussions with poster presenters.

Due to the overwhelming popularity of the Moderated Poster Discussions, certain discussions will be presented in our ePoster Theaters. The ePoster Theaters are designed to accommodate larger crowds, making for a much more comfortable and enjoyable learning experience.

Exhibit Hall

The Exhibit Hall is a vital part of the educational experience at the Scientific Sessions. This unparalleled venue showcases products and services that will enhance your understanding of the latest ground-breaking technology and resources available today. The Exhibit Hall will be open on Saturday, Sunday, and Monday.

Corporate Symposia

Corporate Symposia are satellite programs held in hotels that are planned and conducted by the corporate community in conjunction with the Scientific Sessions. Registration and symposia information will be available on the Scientific Sessions website in early April.

Product Theaters

Industry experts will provide insight into diabetes services and products and demonstrate innovative equipment and technologies. Product Theaters will be conveniently scheduled in the Exhibit Hall on Saturday, Sunday, and Monday.

Networking Reception

Join us Friday evening out on the terrace of the convention center for a Networking Reception. Catch up with your colleagues from around the world, and enjoy complimentary light hors d'oeuvres and beverages while renewing connections or making new ones.

FOURTH ANNUAL FOCUS ON FELLOWS

This program provides a unique opportunity for early career endocrinologists who treat diabetes and its complications to take advantage of small-group learning and networking experiences such as:

- Peer-to-peer engagement during small-group breakout sessions June 8-9
- 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

Up to 150 qualified applicants will be accepted on a first come, first-served basis. Registration opens in December.

Apply early at professional.diabetes.org/fellows.

DIABETES IS PRIMARY

Join us for this Scientific Sessions pre-meeting targeting primary care providers. On Friday, June 9, from 8:00 a.m. to 2:00 p.m., Diabetes Is Primary will highlight the key guidelines that are most useful in day-to-day primary practice. This program will provide information on delivering quality care and improving patient outcomes. You can register for this program for an additional fee when you register for the Scientific Sessions (lunch is included).

SHUTTLE BUS TRANSPORTATION

Only 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.

SPOTLIGHT ON SAN DIEGO

San Diego is a city known for its beautiful, sunny climate and numerous visitor attractions that will have you wanting to come back time and time again.

Discover what San Diego has to offer, from taking a peaceful stroll on Coronado Beach, to indulging in many of the local favorites, to exploring the Gaslamp quarter downtown. No matter what you choose to do, you'll be able to enjoy the California lifestyle everywhere you go!

PROGRAM AT-A-GLANCE

Friday, June 9

11:30 a.m. – 6:15 p.m.

Sessions

6:30 p.m. – 8:30 p.m.

Networking Reception

Saturday, June 10

8:00 a.m. – 10:00 a.m.

Sessions

10:00 a.m. – 4:00 p.m.

Exhibit Hall Open

10:00 a.m. – 6:00 p.m.

Poster Hall Open

10:15 a.m. – 11:15 a.m.

General Session

11:30 a.m. – 12:30 p.m.

General Poster Session

11:30 a.m. – 12:30 p.m.

Professional Interest Group Sessions

11:30 a.m. – 1:30 p.m.

Moderated Poster Discussions

1:45 p.m. – 6:00 p.m.

Sessions

Sunday, June 11

6:30 a.m. – 7:30 a.m.

5K@ADA Fun Run/Walk

7:30 a.m. – 6:30 p.m.

Poster Hall Open

8:00 a.m. – 10:00 a.m.

Sessions

10:00 a.m. – 4:00 p.m.

Exhibit Hall Open

10:15 a.m. – 11:45 a.m.

General Session

12:00 p.m. – 1:00 p.m.

General Poster Session/Moderated

12:00 p.m. – 1:00 p.m.

Poster Discussions

2:15 p.m. – 6:30 p.m.

Professional Interest Group Sessions

Sessions

Monday, June 12

7:30 a.m. – 2:00 p.m.

Poster Hall Open

8:00 a.m. – 10:00 a.m.

Sessions

10:00 a.m. – 2:00 p.m.

Exhibit Hall Open

10:15 a.m. – 11:45 a.m.

General Session

12:00 p.m. – 1:00 p.m.

General Poster Session/Moderated

12:00 p.m. – 1:00 p.m.

Poster Discussions

2:15 p.m. – 6:30 p.m.

Professional Interest Group Sessions

Sessions

Tuesday, June 13

7:30 a.m. – 11:45 a.m.

Sessions

There's plenty to do, so come early or stay late and discover your favorite way to enjoy San Diego!

For more information on San Diego visit meetmeinsandiego.com/ada2017.

REGISTRATION RATES

| | Early Bird 12/1/16 - 2/23/17 | Advance 2/24/17 - 4/27/17 | Final 4/28/17 - 6/13/17 |
|-----------------------------------|---------------------------------|------------------------------|----------------------------|
| Member* | \$495 | \$545 | \$595 |
| Non-Member | \$815 | \$865 | \$915 |
| Student/Resident/Fellow | \$270 | \$290 | \$310 |
| One-Day Registration – Member* | \$300 | \$310 | \$320 |
| One-Day Registration – Non-Member | \$390 | \$400 | \$410 |

*In order to qualify for the Member rate your Professional I or II Membership must be active through June 30, 2017 at the time of registration.

REGISTRATION CATEGORIES

Member

Professional I and II 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—a \$99 value!**

Non-Member

For those who are not ADA Professional I or II Members. *Become a member when you register for the full meeting registration and save up to \$320 off the Non-Member rate. You'll also receive complimentary online access to the Scientific Sessions webcasts—a \$99 value!*

One-Day

Provides admittance to all sessions, including the Exhibit Hall and the Poster Hall (if open), for the selected day. You are allowed to register for only 1 One-Day Registration.

Student/Resident/Fellow

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

Please note: *Children under the age of 18, even if paid registrants, will not be admitted to session rooms, the Exhibit Hall, or the Poster Hall. Exceptions will be made for nursing mothers as long as the child does not disrupt the session. For safety reasons, strollers are not allowed in session rooms, the Exhibit Hall, or the Poster Hall.*

REGISTRATION AND HOUSING

Registration and Housing Opens December 1, 2016.

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 is available on the website.

Housing Information

Reserve your hotel room online by May 12, 2017. A complete listing of ADA hotels, with rates and a locator map, is available 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 is available on the website.

Questions?

Contact the ADA Registration and Housing Customer Care Center Monday through Friday, 9:00 a.m. to 9:00 p.m. (Eastern Time) at 866-290-9910 (Toll Free U.S. & Canada), or +415-268-2086 (International). Or, visit the ADA Support Center at ada.cmrushelp.com.

eNews

STAY CONNECTED

Stay informed on the latest meeting updates with the Scientific Sessions eNewsletter.

Sign up at scientificsessions.diabetes.org

SESSIONS AT-A-GLANCE

Acute and Chronic Complications

- Case-Based Management of Neuropathies
- Hypoglycemic-Associated Autonomic Failure in Diabetes Revisited
- Physiology of Nervous System Detection of Hypoglycemia
- The Atherogenic Dyslipidemia Complex—New Biomarkers and Therapies Beyond LDL
- Healthy Lifestyle Matters for Patients with Diabetes and Kidney Disease
- Joint ADA/ASN Symposium—Effects of New Diabetic Treatments on Diabetic Kidney Disease
- Urologic Complications and Sexual Dysfunction in Diabetes
- Systemic Correlates of Diabetic Retinopathy
- Diabetes, Drugs, and Heart Failure
- Update on Cardiovascular Outcomes Trials
- Thirty-Year Anniversary of the Foot Care Interest Group—The Diabetic Foot, Then and Now
- 2017 Updates on Charcot Neuroarthropathy

Behavioral Medicine, Clinical Nutrition, Education, and Exercise

- Patient-Reported Outcomes—Using Clinic-Based Screening and Intervention to Inform Diabetes Care
- If You Build It, They Will Come—But Will They Stay? Recruitment and Retention in Diabetes Trials
- Cognitive Functioning and Decision-Making in Diabetes
- The New Psychosocial Position Statement from the ADA—Implications for Practice

- Dietary Guidelines for Treatment of Diabetes around the Globe—What Are the Controversies, and What Do Differences in Guidelines Tell Us?
- Pairing Nutrition and Exercise in Type 1 Diabetes
- Personalized Nutrition—Nutrigenetics, Nutrigenomics—Relevance to Diabetes
- Population Health, Affordable Care Act, and New Approaches for Dissemination/Implementation of the Diabetes Prevention Program
- Reducing Hospital Re-admissions—Effective Transitions Matter
- Cognitive Decline—Recognizing and Adapting Diabetes Care Strategies
- Digital Data—Clinical Liability and Patient Safety
- Using Technology to Improve Performance Outcomes and Care
- Exercise-Regulated Molecular Transducers of Insulin Resistance
- Exercise-Induced Mediators of Metabolism and Type 2 Diabetes
- Exercise and Diabetes Complications
- ADA Education Recognition Program Symposium

Clinical Diabetes/Therapeutics

- Continuous Glucose Monitoring Is Here—Should We Prescribe It for Everyone?—A Pro/Con Discussion
- Overtreatment in Diabetes Management
- Enhancing Diabetes Care in Underserved and Low-Income Populations
- Hypoglycemia Prediction Models for Risk Stratification—Prediction to Prevention
- Novel Risk Factors for Gestational Diabetes Mellitus—Even More to Think About

- Effects of Diabetes in Pregnancy on the Developing Brain—Is There a Unifying Mechanism?
- Hyperglycemia and Adverse Pregnancy Outcome Study
- Joint ADA/ISPAD Symposium—Current Status of Complications in Youth with Type 1 Diabetes
- Preserving the Beta Cell Function
- Pediatric Diabetes and Associated Comorbidities
- Technology and Automation for Inpatient Insulin Management
- Combination Therapy in Type 2 Diabetes—Promise Delivered?
- Diabetes Care in the Elderly
- Into the Endocrine Bowels of Diabetes
- SGLT2 Inhibitors—Still More to Explore
- Joint ADA/JDRF Symposium—Progress towards an Artificial Pancreas
- What's New in Insulin-Related Therapy?
- Pharmacologic Strategies in Diverse Populations
- Harnessing the Power of Digital Connectivity in Sickness and in Health
- Global Therapeutic Challenges and Solutions in Diabetes Care
- Bariatric Surgery in Special Populations
- ADA *Diabetes Care* Symposium—Diabetes Care and Research through the Ages
- Cardiovascular Safety of Insulin Degludec versus Insulin Glargine in Patients with Type 2 Diabetes at High Risk of Cardiovascular Events (DEVOTE) Trial Results
- Results of the JDRF Reducing with Metformin Vascular Adverse Lesions in Type 1 Diabetes (REMOVAL) International Multicenter Trial
- Joint ADA/AACC Symposium—The Role and Utility of Glycated Proteins—Beyond A1c

- ADA *Diabetes* Symposium—Emerging Therapeutic Targets and Mechanisms of Action
- Effects of Canagliflozin on Renal Endpoints in Adult Participants with Type 2 Diabetes Mellitus (CANVAS-R) Trial Results
- ADA Pathway to Stop Diabetes Symposium
- Type 1 Diabetes TrialNet Oral Insulin Trial and DIAPREV-IT Trial with GAD-Vaccine

Epidemiology/Genetics

- Prediabetes—Are We Missing Opportunities for Intervention and Risk Reduction?
- mHealth—Friend or Bystander in Diabetes Management?
- Successes with Type 1 Diabetes Complications and Survival
- Sleep and Diabetes—What’s the Link, and What Can We Do about It?
- Genome Editing in Islet Biology and Disease
- Gene Expression and Genome Regulation in Islets
- Genetic Evidence for Causal Relationships in Diabetes

Immunology/Transplantation

- Fail—The Islet Microenvironment and Type 1 Diabetes Initiation
- Therapies to Preserve Beta Cells in Type 1 Diabetes
- Can “Omic” and Genome-Wide Association Studies Reveal Therapeutic Links between Type 1 and Type 2 Diabetes?
- Primer on Transplantation for the Clinician
- Technical Innovations in Islet Transplantation—Novel Approaches
- Beta Cells Under Attack—Lessons from Transplantation for New Onset Type 1 Diabetes

Insulin Action/Molecular Metabolism

- Big Data and Generating Novel Hypotheses
- Insulin Action and Cellular Metabolism
- Cellular and Circulating Mediators of Systemic Energy Metabolism
- Immunity and Inflammation as Mediators of Insulin Resistance
- Mechanistic Role of Metabolic Markers in Insulin Action
- Cellular Energy Balance as a Basis for Metabolic (Dys)Regulation
- Mechanistic Links between Cancer, Obesity, and Diabetes
- Cell Signaling in the Central Nervous System as a Mediator of Disease

Integrated Physiology/Obesity

- A Modern Update of Thrifty Genes, Set Points, and Other Models of Obesity
- Novel Metabolites and Mediators of Energy and Metabolic Homeostasis
- System-Based Approaches to Obesity Pathogenesis

- Factors Influencing Epigenetic Plasticity in the Development of Type 2 Diabetes Mellitus
- The Role of the Intestinal Immune System in Metabolic Disease
- Antidiabetic Actions of Leptin in Insulin-Deficient Animal Models
- The Good and the Bad of Glucagon Physiology and Therapeutics
- Liver Fat and Metabolic Function—Obesity, Gene, and Gut Interactions
- State of the Science—Molecular Transducers of Lifestyle Interventions to Health Benefits

Islet Biology/Insulin Secretion

- Aging and the Beta Cell
- Beta Cell Maturation
- Chemical Modulation of Beta Cell Function
- Current Diabetes Therapies Affecting the Islet
- Pancreas Development Revisited from a Human Perspective
- Novel Islet Signaling Pathways
- Islet/Extracellular Matrix Interface
- The Neglected Delta Cell

Session titles are subject to change.

Submit your research to the Scientific Sessions

- Accepted abstracts are published in the journal *Diabetes*[®].
- Discuss your research with over 13,000 professional attendees from around the world.
- A limited number of travel grants in the amount of \$1,000 are available to qualified, early-career investigators.

**Abstract Submission Deadline:
January 3, 2017**

**Late Breaking Abstract Submission:
February 1, 2017 - March 13, 2017**

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



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