



72<sup>nd</sup>  American Diabetes Association<sup>®</sup>  
**scientificsessions**

JUNE 8-12, 2012 • PHILADELPHIA, PA

**PRELIMINARY PROGRAM**



[scientificsessions.diabetes.org](http://scientificsessions.diabetes.org)





# JOIN US IN PHILADELPHIA!

Join us in Philadelphia June 8-12, 2012 for the world's premier meeting on diabetes—The American Diabetes Association's 72<sup>nd</sup> Scientific Sessions



## TARGET AUDIENCE

Physicians, 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 72<sup>nd</sup> Scientific Sessions.

## LOCATION AND DATES

All sessions will take place at the Pennsylvania Convention Center, 1101 Arch Street, Philadelphia, PA 19107. The program will begin on Friday, June 8 at 2:00 p.m., and conclude on Tuesday, June 12 at 12:15 p.m.

## IMPORTANT DATES TO REMEMBER

### Registration and Housing Deadlines

Last day to register at the Early Bird Rate	<u>February 23, 2012</u>
Last day to cancel meeting registration and receive a full refund ( <i>less a \$50 administrative fee</i> )	<u>February 23, 2012</u>
Last day to register at the Advance Rate	<u>April 26, 2012</u>
Last day to cancel meeting registration and receive a partial refund ( <i>50% of registration fee</i> )	<u>April 26, 2012</u>
Last day to request housing	<u>May 11, 2012</u>
Last day to register online	<u>May 31, 2012</u>
Cancel hotel reservations with no penalty	<u>72 hours prior to arrival</u>

### Abstract Submission Deadlines

Abstracts	<u>January 6, 2012</u>
Late Breaking Abstracts	<u>March 30, 2012</u>

## MEETING HIGHLIGHTS

### Program Overview

The program is organized into eight theme areas and includes the latest research advances presented by world-renowned diabetes experts. Each day includes symposia, debates, state-of-the-art lectures, oral and poster presentations, and special lectures and addresses. More than 160 cutting-edge sessions, increased networking opportunities, and many other special features make this the meeting you don't want to miss! *Mark your calendars now for the 72<sup>nd</sup> Scientific Sessions, June 8-12, 2012 in Philadelphia, Pennsylvania.*

## FOLLOW US ONLINE

### Scientific Sessions eNewsletter

Sign up for the Scientific Sessions eNewsletter at [scientificsessions.diabetes.org](http://scientificsessions.diabetes.org). You'll receive the latest program updates, meeting information, special offers, and more.



### Stay Up-To-Date with Twitter

Follow [@ADA\\_DiabetesPro](https://twitter.com/ADA_DiabetesPro) on Twitter and receive instant messages on your cell phone, smart phone, or other mobile devices about news, schedule changes, and the latest happenings at the meeting. Visit [twitter.com/ADA\\_DiabetesPro](http://twitter.com/ADA_DiabetesPro) and sign up today.



### Scientific Sessions RSS Feed

Don't have a Twitter account? Sign up for our RSS feed at [scientificsessions.diabetes.org](http://scientificsessions.diabetes.org) and stay current on the latest Scientific Sessions news through your preferred RSS reader.



## Earn up to 33 Continuing Education Credits

Credit is available for physicians, family physicians, international physicians, podiatric physicians, nurses, nurse practitioners, pharmacists, psychologists, dietitians, and Certified Diabetes Educators. Certificates of Completion/Attendance will be provided to registered attendees upon completion of the online evaluation.

## Major Lectures and Addresses

- Banting Medal for Scientific Achievement
- Outstanding Scientific Achievement Award
- Outstanding Educator in Diabetes Award Lecture
- Kelly West Award for Outstanding Achievement in Epidemiology Lecture
- President, Health Care & Education Address
- Behavioral Medicine and Psychology Interest Group Award Lecture
- Edwin Bierman Lecture (Macrovascular Complications Interest Group)
- Norbert Freinkel Lecture (Pregnancy and Reproductive Health Interest Group)
- Roger Pecoraro Lecture (Foot Care Interest Group)

## Professional Section Interest Group Activities

Join your colleagues for in-depth discussions and debates on the latest diabetes research and care specific to your specialty. In addition to the major lectures listed above, Interest Groups will host hot-topic discussions on Clinical Endocrinology, Diabetes in Youth, Education, Epidemiology & Statistics, Exercise, and Nutritional Science & Metabolism.

## Oral and Poster Sessions

Each year, the best new basic and clinical science related to diabetes and its complications is presented at the Scientific Sessions in over 380 oral and 1,500 poster presentations. Poster presenters will be available to discuss their research for two hours on an assigned day.

## Guided Audio Poster Tours

Explore the Poster Hall with Guided Audio Poster Tours. Moderators will lead attendees on one-hour tours, sharing their perspectives and highlighting novel or recent developments in Q&A sessions with poster presenters. Select posters from all abstract categories will be included in the tours.

## Networking Opportunities

No other meeting like the Scientific Sessions offers the opportunity to meet and network with your colleagues from across the country or around the world. Connect with your colleagues in new ways:

- **Professional Section Interest Groups:** To help “break the ice”, ADA members will be able to pick-up ribbons indicating their membership in one of our 11 Professional Section Interest Groups. With just a glance, members will be able to identify attendees who share the same interest in diabetes research and care.
- **Networking Lounges:** Networking lounges will be located throughout the Grand Hall of the Convention Center and will feature specially designated seating areas for each of our eight program themes. Take some time to relax with your colleagues or get together to discuss the exciting research being presented.
- **Networking Reception:** Join us in the Grand Hall Sunday evening from 6:45 p.m.-8:00 p.m. for a Networking Reception. Exchange ideas or informally share best practices with your colleagues in a relaxing atmosphere. Light hors d'oeuvres and beverages will be provided.

## Exhibit Hall

Plan to visit the world's largest exposition of diabetes-related products, services, and technology. More than 185 companies will showcase the newest and most innovative products and services available to health care professionals.

## Corporate Symposia

Corporate Symposia are satellite programs that are planned and conducted by the corporate community in conjunction with the Scientific Sessions. These programs provide attendees with additional education and information opportunities. Registration and symposia information will be available on the website in April.

## Opening Reception (Ticketed Event)

Join us at the National Constitution Center, located in one of America's most historical sites—the Independence National Historical Park. Relax and savor light hors d'oeuvres, complimentary refreshments, and music while learning more about how America became “the land of the free.” During the two-hour reception, explore DeVos Hall which features over 100 interactive exhibits on the history of the U.S. Constitution in the *American Experience*. Or go back in time in the Signers' Hall where you'll find life-size bronze statues of the 39 men who signed the Constitution. Tickets for the reception will be available when you register for the meeting. Tickets are limited, so purchase yours when you register to make sure you don't miss out on this exciting event!



## PROGRAM SESSIONS\*

### Acute and Chronic Complications

#### Symposia

- How to Measure Success in the Treatment of Diabetic Neuropathy
- Clinical Aspects of Hypoglycemia in Diabetes—Consequences and Prevention
- Novel Concepts in the Pathophysiology of Hypoglycemia in Diabetes
- Hot Topics in Diabetes, Dyslipidemia, and Cardiovascular Disease
- Joint ADA/ASN Symposium—Structure Meets Function—How Kidney Tissue Studies Inform Understanding of Diabetic Kidney Disease
- The Tangled Web of Genetics and Environment in Diabetic Kidney Disease
- The Holy Grail of Advancing Therapeutics for Diabetic Kidney Disease
- Changing the Course of Diabetic Retinopathy
- Women, Diabetes, and Cardiovascular Disease—The Perfect Storm
- Pleiotropic Actions of Oxidative Stress on Epigenetics
- Inpatient Management of Diabetic Foot Disorders
- Regenerating the Diabetic Foot

### Behavioral Medicine, Clinical Nutrition, Education, and Exercise

#### Symposia

- How and Who Best Supports Self-Management?
- New Directions for Diabetes Education in the Inpatient Setting
- Supporting Transitions in the Course of Diabetes
- Health Care Delivery Is Changing—Where Do Diabetes Educators Fit?
- Randomized Controlled Trials vs. Translation Research—What Direction for Behavioral Diabetes Research?
- Patient Reported Outcomes in Clinical Trials
- Which Technologies Have Impact on Clinical and Behavioral Outcomes in Diabetes?
- Behavioral Interventions in Routine Clinical Care—What Works?
- New Frontiers in Weight Management
- Diabetes and Dietary Composition—Striving to Achieve Metabolic Goals
- Dietary Fatty Acids—Effects on Insulin Sensitivity, Inflammation, and Vascular Function

- Diabetes to Diabetic Kidney Disease—Easing the Nutritional, Medical, and Behavioral Transition
- Exercise Tolerance in Diabetes
- Sedentary Behavior/Physical Inactivity—Implications for Diabetes
- The Basic Science of Exercise—Implications for Diabetes

### Clinical Diabetes/Therapeutics

#### Current Issues

- Will PPAR Agonist Therapy Survive?
- Diabetic Dyslipidemia in the Statin-Treated Patient

#### Symposia

- ORIGIN Trial—Final Results
- Should We Pay People to Change Their Behavior? Behavioral Economics and Diabetes
- Tailoring Diabetes Care for Long-Term Care Settings
- What Are the Ideal Quality Measures for Diabetes Care?
- An Update on Insulin Therapies
- Macrovascular Disease in Type 1 Diabetes Mellitus
- Incretin-Based Therapies
- Management of Diabetes on Medical-Surgical Wards
- Novel Therapeutic Targets
- Continuous Glucose Monitoring—Practical Aspects
- Capillary Glucose Monitoring in 2012
- Glycemic Variability
- Hypertension in Diabetes
- Diabetes and the Cancer Link with Insulin—Data from a National Consortium
- The Role of Pharmacology in Managing Pre-Diabetes
- The IADPSG/ADA Guidelines for Diagnosing Gestational Diabetes Mellitus and Overt Diabetes—Who's Adopted it and Early Feedback
- The Effects of Bariatric Surgery on Maternal and Offspring Outcomes
- Exploring Nutritional Strategies for Preventing Adverse Developmental Programming in the Offspring—Pathogenesis and Mechanisms
- Beyond Insulin and A1C in the Management of Pediatric Type 1 and Type 2 Diabetes
- Pediatric Diabetes Care—In the Clinic and Beyond
- Current Status of Acute Complications of Pediatric Diabetes
- Results from the TODAY Study
- ADA Diabetes Care Symposium
- Joint ADA/The Lancet Symposium

## Epidemiology/Genetics

### Symposia

- Rare Variants—The Next Genetics Piece in the Diabetes Puzzle
- What Happens Next after Genome-Wide Post Genome-Wide Association Studies (GWAS)
- Genetics—Clinical Implications
- Epidemiology of Geriatric Conditions in the Elderly with Diabetes—An Emerging Public Health Burden
- Sleep Disorders and Diabetes—From Epidemiology to Intervention
- Social Epidemiology of Diabetes and Associated Conditions
- Epidemiological Perspectives on Women's Health Issues in Type 1 Diabetes

## Immunology/Transplantation

### Symposia

- Beta Cell Death, Cytokine Toxicity, and Islet Antigenicity
- Antigen-Specific Tolerance in Type 1 Diabetes
- Beta Cell Replacement Therapies for Severe Hypoglycemia and Hypoglycemia Unawareness
- Human Islet Investigation to Advance Research in Diabetes Mellitus

## Insulin Signaling/Insulin Action

### Symposia

- Post-Transcriptional Control of Metabolism
- Back to the Future—Insulin Action and Intermediary Metabolism
- Early Adipose Development
- Novel Players in Hepatic Lipid Metabolism and Insulin Resistance
- Hypoxia and Insulin Resistance
- Brown and Browning—Adipose Tissue and Insulin Action
- Insulin Action via the Brain
- Inflammation and Insulin Resistance

## Integrated Physiology/Obesity

### Current Issues

- Perspectives on Mitochondria Dysfunction in Insulin Resistance
- DGATs and Insulin Action

## Symposia

- Novel Brain Mechanisms in Metabolism Regulation
- Novel Mechanisms in Obesity and Glucose Homeostasis in Peripheral Organs
- Melanocortin System—Physiology and Regulation
- Glucagon Renaissance of an Old Hormone
- Brown Fat in Humans
- Epigenetic Control of Insulin Action
- Regulation of Insulin Action through Protein Modification

## Islet Biology/Insulin Secretion

### Symposia

- Innovative Insights in Islet Ion Channels
- Cytosolic Coupling Factors
- Innervation, Paracrine, and Autocrine Signaling in the Islet
- Fusion
- Alpha Cells and Glucagon—More and More Important
- Beta Cell Proliferation in Mice and Humans
- Cell Plasticity in the Adult Pancreas
- Discovery of Molecules for Beta Cell Genesis

*\*Session titles are subject to change.*

**CALL FOR ABSTRACTS**

## Submit your research to the Scientific Sessions!

**ABSTRACT SUBMISSION:  
October 3, 2011–January 6, 2012**

**LATE BREAKING ABSTRACT SUBMISSION:  
February 1–March 30, 2012**

- Accepted abstracts are published in the journal *Diabetes*<sup>®</sup>, the #1 publisher of original research in the field of diabetes, endocrinology, and metabolism.
- Discuss your research with over 15,000 attendees and world-renowned diabetes experts.
- A limited number of travel grants are available for qualified Young Investigators.

Visit [scientificsessions.diabetes.org/abstracts](http://scientificsessions.diabetes.org/abstracts) and submit your research today!



## REGISTRATION FEES

		ADA Member*	Non-Member	One-Day Member*	One Day Non-Member	Student/Resident/Fellow	Guest
<b>EARLY BIRD</b>	Dec 1 - Feb 23	\$415	\$610	\$250	\$340	\$245	\$100
<b>ADVANCE</b>	Feb 24 - Apr 26	\$465	\$660	\$260	\$350	\$265	\$100
<b>FINAL</b>	Apr 22 - Jun 12	\$515	\$710	\$270	\$360	\$285	\$100

\* You must remain an active ADA Professional Member through June 30, 2012 to qualify for the member rate.

## REGISTRATION CATEGORIES

**ADA Member:** Category I and II Professional Members. Have your Professional Member ID Number available to register as a member. ID numbers are printed on the mailing label located on the back of this program.

**Non-Member:** For those who are not ADA Professional Members.

**One-Day:** Provides admittance to all sessions, including the Exhibit Hall (if open), for the selected day. You are allowed to register for only 1 One-Day Registration. One-Day registrants are not permitted to register guests.

**Student/Resident/Fellow:** Available to those currently enrolled in one of these programs. Proof of status in a program must be submitted with your registration form.

**Guest:** One guest per full meeting registration is allowed for each registration category, with the exception of One-Day Registration. Guest Registration includes entrance to the Exhibit Hall, Poster Hall, and non-ticketed social events only. Access to sessions is not permitted. **Children under the age of 18, even if paid registrants, will not be admitted to session rooms or the Exhibit Hall.**

## REGISTRATION AND HOUSING

**Registration and Housing opens December 1, 2011**

### Registration Information

Visit [scientificsessions.diabetes.org](http://scientificsessions.diabetes.org) and click on the **Registration tab** to begin your online registration. Receive your confirmation and periodic updates via email when you register online. If you are unable to register online, a downloadable registration form is also available.

### Housing Information

Reserve your hotel room online by May 11, 2012. A complete listing of ADA hotels, with rates and a locator map, is available at [scientificsessions.diabetes.org](http://scientificsessions.diabetes.org). Hotel reservations are available on a first-come, first-served basis. **Please note:** Hotel rooms in the city of Philadelphia are limited. 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 also available.

### 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 [adareg@cmrus.com](mailto:adareg@cmrus.com) or [adahousing@cmrus.com](mailto:adahousing@cmrus.com), or toll free at 866-290-9910 (U.S. & Canada) or +415-268-2086 (International).

### Shuttle Bus Transportation

Shuttle bus transportation will be provided from hotels outside of walking distance to the Pennsylvania Convention Center. Attendees who reserve their room within the Scientific Sessions housing block will receive a shuttle pass upon hotel check-in, enabling them to ride the ADA shuttle system at no additional cost. Those who reserve their rooms through other means will not receive a shuttle pass. Shuttle passes will be available for purchase onsite at the meeting and in advance through the registration site at a cost of \$50 per person. The pass is valid throughout the duration of the meeting.

Recent estimates project that as many as 1 in 3 American adults will have diabetes by 2050 unless we take steps to Stop Diabetes®.



American Diabetes Association.

[stopdiabetes.com](http://stopdiabetes.com) • 1-800-DIABETES

## CITY AND TRAVEL INFORMATION

We look forward to welcoming you to Philadelphia—a historic and modern city where iconic landmarks and cultural hot spots create a vibrant tapestry for exploring, and where cultural and educational institutions create an unmatched platform for learning! Philadelphia's ideal location on the East Coast makes it one of the nation's most easily accessed metropolitan destinations. Did you know that it's just 1 hour and 20 minutes to New York City and 1 hour and 45 minutes to Washington, D.C. via Amtrak's Acela Express?

## JOIN ADA TODAY!

Join an invaluable network of 16,000 diabetes professionals in helping the American Diabetes Association on the road to a cure for diabetes. As a new member, you have immediate access to the following members-only benefits:

- **Save \$195 right away** on your Scientific Sessions registration
- **One of ADA's professional journals** is included in your membership, and you receive members-only discounts on other professional journals and *Diabetes Forecast*® magazine
- **Free membership** in two Professional Section Interest Groups of your choice
- **Access to DiabetesPro SmartBrief**, featuring up-to-the-minute news focusing on diabetes, nutrition and wellness, practice updates, and trends & technology
- **Listing in and access to** the online ADA Professional Membership Directory
- **Gain exclusive insight** to the most current ADA standards of clinical care in diabetes with immediate access to ADA's Clinical Practice Recommendations
- **The Professional Section Quarterly** (ADA's "insider newsletter") FREE with your membership

**JOIN TODAY** when you register for the 72<sup>nd</sup> Scientific Sessions and take immediate advantage of the \$195 member registration discount. If you want to renew your membership, enter your Professional Member ID Number at the time you register.

Come early or stay late to explore the city's many attractions. The newly-expanded Pennsylvania Convention Center is conveniently located in the heart of downtown, accessible via the nearby SEPTA transit system ([septa.org](http://septa.org)). Philadelphia International Airport (PHL), just seven miles from Center City, provides 625 daily nonstop flights to domestic and international cities.

Scientific Sessions attendees have the option of touring historic neighborhoods in horse-drawn carriages or viewing masterpieces by Renoir and Van Gogh at the Philadelphia Museum of Art. The Philadelphia Orchestra's summer session will be in full swing with outdoor performances at the Mann Center ([philorch.org](http://philorch.org)). Or visit one of the hundreds of restaurants in the city. Many of the best and most innovative eateries in the country can be found in Philadelphia.

## SCIENTIFIC SESSIONS MEETING PLANNING COMMITTEE

Mary Elizabeth Patti, MD (Chair)  
Rodolfo Alejandro, MD  
Mark S. Anderson, MD, PhD  
Matthew J. Brady, PhD  
Amy B. Criego, MD  
Sabrina Diano, PhD  
Kathleen M. Dungan, MD  
Robert H. Eckel, MD  
Gary W. Edelson, MD  
Jacob E. Friedman, PhD  
Ilan Gabriely, MD  
Henry N. Ginsberg, MD  
Sherita Hill Golden, MD  
Struan F.A. Grant, PhD  
Elbert S. Huang, MD  
Wahida Karmally, DrPH, RD, CDE, CLS, FNLA  
Timothy S. Kern, PhD  
Richard G. Kibbey, MD, PhD  
George L. King, MD  
Sudhesh Kumar, MD  
Lori M. Laffel, MD, MPH  
John M. Miles, MD  
Deborah M. Muoio, PhD  
Paul Poirier, MD, PhD  
Alvin C. Powers, MD  
Richard E. Pratley, MD  
Robert E. Ratner, MD  
Maike Sander, MD  
Linda M. Siminerio, RN, PhD, CDE  
Arlene Smaldone, DNSc, CPNP-PC, CDE  
Katherine R. Tuttle, MD, FASN, FACP  
Julie A. Wagner, PhD  
Craig D. Williams, PharmD  
Dane K. Wukich, MD

Registration and Housing Opens December 1, 2011!



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For more information  
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Website:  
[scientificsessions.diabetes.org](http://scientificsessions.diabetes.org)

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