Genetic Variants Involved in Mitochondrial Oxidative Metabolism are associated with Type 2 Diabetes Mellitus in studies of 9,132 Danes

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70th American Diabetes Association
scientific sessions

JUNE 25-29, 2010 • ORLANDO, FL

PRELIMINARY PROGRAM

scientific sessions.diabetes.org
Join us in Orlando June 25-29, 2010, for the world’s premier diabetes meeting—The American Diabetes Association’s 70th Scientific Sessions!

JUNE 25-29, 2010 • ORLANDO, FL

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TARGET AUDIENCE
Physicians, researchers, nurses, nurse practitioners, dietitians, podiatrists, 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 70th Scientific Sessions.

IMPORTANT DATES
Registration and Housing Deadlines
Last day to register at the Early Bird Rate March 11, 2010
Last day to cancel meeting registration and receive a full refund (less a $50 administrative fee) March 11, 2010
Last day to register at the Advance Rate May 13, 2010
Last day to cancel meeting registration and receive a partial refund (50% of registration fee) May 13, 2010
Last day to request housing May 28, 2010
Cancel hotel reservations with no penalty 5 days or 72 hours prior to arrival (varies by hotel)

Abstract Submission Deadlines
Abstracts January 8, 2010
Late Breaking Abstracts April 9, 2010

PROGRAM HIGHLIGHTS
The program will begin on Friday, June 25 at 2:00 p.m., and conclude on Tuesday, June 29 at 12:15 p.m. Program content is organized into eight theme areas.

Theme Areas
• Acute and Chronic Complications
• Behavioral Medicine, Clinical Nutrition, Education, and Exercise
• Clinical Diabetes/Therapeutics
• Epidemiology/Genetics
• Immunology/Transplantation
• Insulin Signaling/Insulin Action
• Integrated Physiology or Obesity
• Islet Biology/Insulin Secretion

The mission of the American Diabetes Association is to prevent and cure diabetes and to improve the lives of all people affected by diabetes.

PROGRAM HIGHLIGHTS continued on next page
Major Lectures and Addresses
- Banting Medal for Scientific Achievement Lecture
- Outstanding Scientific Achievement Award Lecture
- Outstanding Educator in Diabetes Award Lecture
- President, Health Care & Education Address
- President, Medicine & Science Address
- Kelly West Award for Outstanding Achievement in Epidemiology Lecture
- Behavioral Medicine and Psychology Interest Group for Distinguished Contributions Lecture
- Edwin Bierman Lecture
- Roger Pecoraro Lecture
- Norbert Freinkel Lecture

Oral and Poster Sessions
Each year, the best new basic and clinical science related to diabetes and its complications is presented at ADA’s Scientific Sessions in over 300 Oral and 1,500 Poster presentations. Posters will be available for viewing June 26-28 and will remain up for three days. Poster presenters will be scheduled to be at their poster boards to discuss their research for two hours on an assigned day.

Abstract Book
The Scientific Sessions Abstract Book, the June 2010 Supplement to the Journal Diabetes, will be provided free of charge at the meeting to all registrants.

Exhibit Hall
Plan to visit the world’s largest exposition of diabetes-related products, services, and technology. More than 175 companies will showcase the newest and most innovative products and services available to health care professionals. The Exhibit Hall will be open Saturday and Sunday, June 26 and 27, from 10:00 a.m. to 4:00 p.m., and Monday, June 28, from 10:00 a.m. to 2:00 p.m.

Opening Reception (Ticketed Function)
Join your colleagues for the best opening reception in 70 years—desserts, fireworks, and fun at Walt Disney World’s Epcot Center! Your ticket to the Opening Reception includes complimentary round trip shuttle bus transportation from the Orange County Convention Center to Epcot Center, a one-hour dessert reception, one complimentary drink ticket, a private viewing area for IllumiNations: Reflections of Earth fireworks, laser, and water show, and after-hours access to the best rides in the park. Please check the registration form for ticket prices. The event is open to a limited number of non-registered guests.

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 educational and informational opportunities. The program content and product information in these sessions are the sole responsibility of the corporate supporters. Registration and symposia information will be available on the website in March.

Interest Group Discussion Sessions
Discussion sessions provide an opportunity for attendees to discuss subjects of mutual interest. The following Interest Groups are scheduled to host sessions this year:
- 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

GENERAL INFORMATION
Online Resources
The 70th Scientific Sessions website contains the latest meeting information. Visit scientificsessions.diabetes.org to:
- Plan your time in Orlando – Purchase a tour, find a restaurant, plan your shopping trip, or plan a family outing prior to your arrival.
- View Abstracts – Abstracts will be available online two weeks before the meeting.
- Build your Itinerary – Schedule your time by creating a personalized agenda of the sessions that you plan to attend.
- Explore the Exhibit Hall – Preview a current list of exhibitor names, products, and booth numbers prior to arriving in Orlando.

Earn up to 33 Continuing Education Credits!
Continuing Education Credit is available for physicians, family physicians, doctors of osteopathy, international physicians, podiatrists, nurses, nurse practitioners, pharmacists, psychologists, and dietitians. Certificates of Completion/Attendance are provided to registered attendees upon completion of the online evaluation. For additional information regarding continuing education at the Scientific Sessions, contact professionaleducation@diabetes.org.

Shuttle Bus Transportation
Attendees who reserve their room through ADA’s official housing company, CMR, will receive a shuttle pass upon check-in at their hotel, 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 for the duration of the meeting.
**PROGRAM SESSIONS**

**Acute and Chronic Complications**

**Symposia**
- Lipids—Key Issues in the Management of Dyslipidemia
- Complications of Diabetes—What Is Unique about the Retina?
- Update on Diabetic Peripheral Neuropathy
- Team Building to Prevent Amputations
- Vascular, Infection, Pressure—The VIPs of Healing Diabetic Wounds
- Controversies in Blockade of the Renin-Angiotensin-Aldosterone System (RAAS)
- Does Diabetes Affect the Approach to Diagnosis or Management of Cardiovascular Disease?
- Cardiorenal Issues in Diabetes Management
- Cardiovascular Risks of Hypoglycemia
- Cardiovascular Disease in Diabetes
- Physiological Aspects of Hypoglycemia

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

**Symposia**
- Diabetes Prevention and Behavioral Interventions in Underserved Populations
- From Children to Adults—Models of Transition Care in Youth with Diabetes
- Advancing the Field—The Role of Inflammation in Depression and Diabetes
- Type 2 Diabetes, Exercise, and Cerebrovascular Physiology
- Practical Issues in Diabetes and Exercise
- Prescribing Exercise for Severely Obese Patients
- Non-Caloric/Non-Nutritive Sweeteners—What’s New?
- Cardiovascular Disease and Diabetes—Nutrition Update
- What Influences How Much We Eat?
- Dietary Sweeteners Containing Fructose—Effects on Metabolism and Impact in the Food Supply
- The Art and Science of Gestational Diabetes Counseling
- Lost in Translation
- Complementary and Alternative Medicine Supplements and Diabetes Care
- New Technologies for Diabetes Education and Management

**Clinical Diabetes/Therapeutics**

**Current Issues**
- Will DPP-4 Inhibitors Replace Sulfonylureas?
- Is Intensively Treated Type 1 Diabetes Still a Major Cardiovascular Risk Factor?
- Glycemic Outcomes and Acute Complications—MDI and Pump Therapy Issues and Solutions
- Should New Diabetes Drugs Submitted to the FDA Have a Higher Bar for Cardiovascular Safety Than Other Drugs?

**Symposia**
- Combination Therapies for Type 2 Diabetes from the Get-Go—Are We There Yet?
- Intensive Insulin Therapy at the Onset of Type 2 Diabetes—Can We Preserve β-Cell Function and Reverse Diabetes?
- Controversies Relating Cancer with Diabetes, Obesity, and Insulin
- Tactics and Controversies in the Management of Hyperglycemia in the Hospital
- The Potential of SGLT-2 Inhibitors for Diabetes Management
- Joint American Diabetes Association/Juvenile Diabetes Research Foundation International Symposium—The Artificial Pancreas—A Goal within Reach?
- Clinical Role of TZDs in 2010
- Managing Insulin Therapy in the Obese, Extremely Insulin Resistant Patient
- Newer Insulins—As They Approach Availability What Should We Know about Them?
- Updates on GLP-1 Agonists
- Diabetes in the New Realm of Comparative Effectiveness Research
- The Implications of U.S. Health Care Reform on the Care and Prevention of Diabetes
- A1C Targets in Pediatric Diabetes—Ideal vs. Real
- A 21st Century Look at Genetic Causes of Diabetes and Its Complications in Youth
- Pediatric Diabetes Trends—Epidemiology 2010
- Drug Therapy During Pregnancy—Safety and Effectiveness
- Pregnancy Diet and Supplements—Needs and Concerns
- Pregnancy and Diabetes Research—A 20-Year Tribute to Norbert Freinkel
- Tailoring Diabetes Treatment Priorities in the New Age of Cardiometabolic Risk Management

*Program Session titles are subject to change*
Epidemiology/Genetics

Current Issues
- Is Diabetes Really a Cardiovascular Disease Equivalent?

Symposia
- Diabetes Diagnosis Based on the A1C
- Stages of the Lifecycle and Risk for Onset and Progression of Diabetes and Its Complications
- The Role of Sex Hormones in the Epidemiology of Type 2 Diabetes and Cardiometabolic Risk
- From Genetic Association to Molecular Mechanism
- Clinical Impact of the New Genetic Discoveries in Diabetes
- Beyond the First Phase of Genome-Wide Association Studies

Immunology/Transplantation

Symposia
- Alternative Cellular Sources for ß-Cell Replacement Therapy—Today and Tomorrow
- Nanotechnology and Tissue Engineering for ß-Cell Replacement Therapy
- ß-Cells in Type 1 Diabetes Mellitus
- Innate Immune Responses in Type 1 and Type 2 Diabetes

Insulin Signaling/Insulin Action

Symposia
- Cross-Talk in Insulin Signaling at the Cellular Level
- Thyroid Hormone Signaling in Insulin Action and Metabolism
- Insulin Action—A Molecular View
- Selective Hepatic Insulin Resistance
- Mitochondrial Metabolism and Substrate Selection
- Novel Insights into Insulin Resistance and Metabolic Syndrome
- Clues to Mechanisms of Insulin Resistance from Other Human Syndromes
- Control of Adipose Tissue Development and Function

Integrated Physiology or Obesity

Symposia
- Inflammation and Free Fatty Acids in Glucose Homeostasis
- Epigenetics and Metabolic Disease
- Glucagon-Like Peptide-1—From Secretion to Function
- Bile Acids as Metabolic Regulators
- Central Modulators of Obesity
- Nutrient-Gut-Brain Modulators
- Adipose Tissue and Inflammation
- Role of the Kidney in the Pathogenesis of Type 2 Diabetes Mellitus
- What Has Genetics Taught Us? From Gene to Human Physiology
- Brown Adipose Tissue
- ß-Cell Failure—The Key to Unlocking Type 2 Diabetes Mellitus

Islet Biology/Insulin Secretion

Symposia
- Does Autoimmunity Influence ß-Cell Regeneration?
- Transdifferentiation and Reprogramming
- Pathways to ß-Cell Development and Differentiation
- Mitochondria, Endoplasmic Reticulum and Oxidative Stress, and ß-Cell Survival
- ß-Cell Intracellular Signaling-1—mTor to S6Kinase
- ß-Cell Intracellular Signaling-2—PI3Kinase and PKCs, and IKKs
- ß-Cell Intracellular Signaling-3—A Potpourri
- Insulin Secretion

*Program Session titles are subject to change
REGISTRATION FEES

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<th></th>
<th>ADA Member</th>
<th>Non-Member</th>
<th>One-Day Member</th>
<th>One Day Non-Member</th>
<th>Student/Resident/Fellow</th>
<th>Guest</th>
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* You must remain an active ADA member through June 30, 2010 to qualify for the member rate.

REGISTRATION CATEGORIES

ADA Member: Category I and II Professional Members.

Non-Member

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 persons currently enrolled as a student, resident, or fellow. Proof of status in a program must be supplied by the institution along with your registration form.

Guest: One guest per each 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. 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 is now open!

Registration Information
Visit scientificsessions.diabetes.org and click on the registration tab to complete your online registration. Receive your confirmation and periodic updates via email. If you are unable to register online, a downloadable registration form is also available.

Housing Information
Reserve your hotel room online by May 28, 2010. A complete listing of ADA meeting 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 to get your first choice hotel. 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 ada2010reg@cmrus.com or ada2010housing@cmrus.com or toll free at 866-290-9910 (U.S. & Canada) or +415-268-2086 (International).

Abstract Presenter Registration Information
Individuals who have submitted an abstract will be eligible for the Early Bird Rate upon acceptance. New this year: if your abstract is accepted, you will be given special instructions for registering online to receive the Early Bird Rate until May 13, 2010. If you register early and your abstract is not accepted for presentation during the Scientific Sessions, you will be allowed to cancel your registration and receive a full refund (less a $50 administrative fee) up to May 13, 2010.

Visit the 70th Scientific Sessions website at scientificsessions.diabetes.org for updated program information, online registration, housing reservations, and much more!
CITY AND TRAVEL INFORMATION

Make the most of our late June meeting and bring the entire family along for a memorable mini vacation. Orlando International Airport is easily accessible by all major and low-cost airlines (domestic and international). Three major theme parks, Walt Disney World, SeaWorld, and Universal Studios, are just minutes from some of our selected hotels. Take advantage of our discounted theme park tickets, available for purchase through our website.

Orlando also offers a host of championship golf courses, world-class spas, superb restaurants, museums, performing arts, and more than 1,200 retail shops.

Whether you are looking for a quick getaway between sessions or an all-day excursion for your accompanying family or friends, Orlando offers something for every schedule and interest. A variety of local tours will be available for an additional cost. Check the website for more details.

Additional city and travel information, including information on post-meeting vacation packages, is available at scientificsessions.diabetes.org.

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YOU MUST REMAIN an active ADA member through June 30, 2010 to qualify for the member discount.

JOIN ADA TODAY!
Registration and Housing is NOW OPEN!

For more information please contact:
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Alexandria, VA 22311
Phone: 800-DIABETES
E-Mail: conventionoperations@diabetes.org
Website: scientificsessions.diabetes.org