

Advance Program



68th **scientificsessions**

JUNE 6-10, 2008 • SAN FRANCISCO, CA

ADVANCE

68th scientific sessions

JUNE 6-10, 2008 · SAN FRANCISCO, CALIFORNIA



TABLE OF CONTENTS

Learning Objectives	2
Accreditation Statements	3
Program Highlights	9
General Information	10
Scientific Sessions Planning Committee	10
Program Sessions	11-19
Registration Information	20
City and Travel Information	21
Hotel Information	22



TARGET AUDIENCE

Physicians, scientists, nurses, nurse practitioners, dietitians, pharmacists, podiatric physicians, psychologists and other healthcare professionals will benefit from the comprehensive programming at the 68th Scientific Sessions.

LEARNING OBJECTIVES

At the conclusion of this activity, attendees will be able to:

- Review the latest research related to microvascular complications in diabetes including nephropathy, peripheral arterial disease and neuropathy.
- Evaluate novel measures for cardiovascular risk assessment and treatment targets.
- Describe behavioral issues related to weight gain and obesity in adults, adolescents and children, and implications for clinical practice.
- Review current research related to the nutritional components of meals, including the latest findings on carbohydrates and glycemic control.
- Evaluate novel and emerging pharmacologic treatment options for people with diabetes and their implications for clinical practice.
- Critique research related to inflammation and oxidative stress and their relationship to cardiovascular disease in diabetes.
- Review the progress of genetic studies focused on predicting diabetes and pre-diabetes.
- Assess the latest findings on islet transplantation research and its future.
- Evaluate current basic and clinical research focused on mechanisms of insulin resistance and the implications for the development and progression of diabetes and its complications.
- Discuss the results of research on energy balance, exercise, and nutrition and implications for clinical practice.
- Compare and contrast various studies focused on regeneration of pancreatic endocrine cells from stem cells.

IMPORTANT DATES

Registration and Housing Deadlines

- Last day to submit advance registration April 24, 2008
- Last day to cancel registration and receive a partial refund . . . April 24, 2008
- Last day to request housing May 9, 2008
- Cancel hotel reservations with no penalty 7 days prior to arrival

Abstract Submission Deadlines

- Late Breaking Abstracts April 2, 2008

ACCREDITATION STATEMENTS

Physicians

The American Diabetes Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Diabetes Association designates this education activity for a maximum of 33 AMA PRA Category 1 credit(s)[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Family Physicians

An application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Doctors of Osteopathy

Category 2 credit will be awarded for formal educational programs that are ACCME-accredited or AAFP-approved.

International Physicians

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA Category 1 credit[™].

Physician Assistants

The American Academy of Physician Assistants accepts Category I credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 CME credit for the organizations accredited by ACCME. ADA is an accredited provider through the ACCME.

Nurses

The American Diabetes Association is approved as a provider of continuing education in nursing by the Virginia Nurses Association (VNA) which is accredited as an approver of continuing education in nursing by the American Nurses' Credentialing Center's Commission on Accreditation. The American Diabetes Association is located at 1701 North Beauregard Street, Alexandria, VA 22311. VNA Provider Number: 07-03-02. This educational activity is approved by the Virginia Nurses Association (VNA) which is accredited by the American Nurses Credentialing Center's Commission on Accreditation as an approver of Continuing Education in Nursing for a maximum of 33 VNA Contact Hours. The VNA is located at 7113 Three Chopt Road, Suite 204, Richmond, VA 23226.

California Board of Registered Nursing

The American Diabetes Association is also a provider approved by the California Board of Registered Nursing, Provider No. CEP-12196. This activity is approved for 33 contact hours.

Nurse Practitioners

An application for credit has been filed with the American Academy of Nurse Practitioners. Determination of credit is pending.



Pharmacists

The American Diabetes Association is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. This activity provides 33 contact hours of continuing pharmacy education credit. The ACPE UPN is 239-000-08-005-L01-P. Each pharmacist should claim only those hours of credit that he/she spent in the education activity.

Psychologists

The American Diabetes Association is approved by the American Psychological Association to sponsor continuing education for psychologists. The American Diabetes Association maintains responsibility for this program and its content. This activity has been approved for a maximum of 33 hours of continuing education credit. Each psychologist must attend, in their entirety, those sessions designated as offered for psychology credit and claim only those hours spent in the educational activity.



Dietitians

The American Diabetes Association is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 33 continuing professional education units (CPEUs) for completion of this program/material.

Podiatric Physicians

An application for credit has been filed with the American Podiatric Medical Association. Determination of credit is pending.

Certified Diabetes Educators

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 is on the NCBDE List of Approved Providers.

Content Validation Statements

The American Diabetes Association accepts the following Content Validation Statements and expects all persons involved in its professional education activities to abide by these statements with regard to any recommendations for clinical care.

- All recommendations involving clinical medicine are based on evidence accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
- All scientific research referred to or reported in support or justification of a patient care recommendation conforms to generally accepted standards of experimental design, data collection, and analysis.

Successful Completion Statement

The Association follows the "Honor System" to verify attendance at its professional education activities. Participants are expected to claim only those hours spent in the educational activities approved for continuing education credit. Certificates of Completion/Attendance are provided online to registered attendees.

** For more information regarding continuing education at the Scientific Sessions, please visit our staff at the CE desk or contact us via email at professionaleducation@diabetes.org.



Registration Hours: 8:00 a.m. — 6:30 p.m.

Bookstore Hours: 8:00 a.m. — 6:30 p.m.

DAY-AT-A-GLANCE

FRIDAY, JUNE 6, 2008

	Islet Biology/ Insulin Secretion	Insulin Signaling/ Insulin Action	Integrated Physiology or Obesity	Clinical Diabetes/ Therapeutics	Behavioral Medicine, Clinical Nutrition, Education	Acute and Chronic Complications	Epidemiology/ Genetics	Immunology/ Transplantation
2:00-4:00	Symposium Gene Silencing and Remodeling in Early Pancreas Differentiation	Symposium Immune Cells and Insulin Resistance	Current Issues Current Issues in Exercise	Current Issues Cardiovascular Disease Risk Factors in Pediatrics Symposium Genetics and Clinical Care - 2008 ADVANCE Trial - Study Results		Symposium The Etiology of Diabetes Complications	Symposium Diabetes Genome - Wide Association Studies for Obesity Type 2 Diabetes: What Have We Learned and What Does the Future Hold?	
4:15-6:15	Oral Presentations	Symposium Nutrient Regulated Signaling Cascades	Symposium Mitochondrial Metabolism and Type 2 Diabetes	Symposium Osteoporosis/Osteopenia in Diabetes	Symposia Safety for Students with Diabetes What Your Patients Know and Don't Know About Diabetes - an Update from the National Diabetes Education Program	Symposium Links Between Periodontal Disease and Diabetes Oral Presentations	Oral Presentations	
6:30-8:00				Opening Reception				

DAY-AT-A-GLANCE

SATURDAY, JUNE 7, 2008

Bookstore Hours: 7:00 a.m. – 6:30 p.m.

Registration Hours: 7:00 a.m. – 6:30 p.m.
 Exhibit Hall Hours: 10:00 a.m. – 4:00 p.m.
 Poster Display Hours: 10:00 a.m. – 7:15 p.m.

	Islet Biology/ Insulin Secretion	Insulin Signaling/ Insulin Action	Integrated Physiology or Obesity	Clinical Diabetes/ Therapeutics	Behavioral Medicine, Clinical Nutrition, Education	Acute and Chronic Complications	Epidemiology/ Genetics	Immunology/ Transplantation
8:00-10:00	EASD/ADA Symposium Extracellular Matrix - Role in Islet Formation and Function	Symposium Control of Lipolysis	Symposium Nutrient Sensing by the Brain Oral Presentations	Current Issues Challenges in Management of Childhood Diabetes Symposia Update on Prevention and Intervention Studies in Type 1 Diabetes Continuous and/or Self-Monitoring of Blood Glucose Oral Presentations	Symposia Carbohydrates - Are They All Created Equal When it Comes to Glycemic Control? Getting Personal - Talking to Your Patients About Diabetes and Sexual Issues	Symposium Painful Neuropathy Oral Presentations	Symposium Predicting and Finding Diabetes and Pre-Diabetes	Oral Presentations
10:15-11:15	Plenary - Epigenetics - Environmental Influences in Changing Genes, Michael J. Meaney, PhD Plenary - Taste Receptors, Charles S. Zuker, PhD Plenary - Health Care in the Technology Revolution, TBD							
1:45-3:45	Symposium Making More Beta-Cells - How and from Where?	Symposium Non-Alcoholic Fatty Liver Disease (NAFLD) in Type 2 Diabetes Oral Presentations	Symposium Type 1 Diabetes - Can We Prevent Fetal Demises? Cardiac Imaging and Surrogate Markers for Clinical Cardiovascular Disease Early Insulin Treatment is Preferable in Type 2 Diabetes IDF/ADA Symposium The Broader Reach of Diabetes	Symposia The Pharmacokinetics of Alternative Insulin Delivery Systems Anti-Diabetic Medications During and After Pregnancy (Includes Norbert Freinkel Lecture) Wading in the Stagnant Pool of Research Dollars - What You Can Do to Rejuvenate the Water Oral Presentations	Current Issues The Great Protein Debate Symposium Health Behavior Change - A Tale of Three Theories	Symposium Wound Healing and Regeneration Oral Presentation	Symposium Lessons in Human Diabetes Learned from Genetically Engineered Mouse Models - Genes Affecting Beta-Cell Function	Symposium Islet Transplantation - What Works and What Doesn't - Where Do We Go From Here?
4:00-6:00	Symposium Insulin Production - A Ride Along the Beta-Cell Conveyor Belt	Oral Presentations	Symposia Incretin Hormones and Whole Body Physiology BMI vs. Waist Circumference - What's Better (Bigger) Oral Presentations	Oral Presentations	Oral Presentations	Symposium Novel Measures for Cardiovascular Risk Assessment and Targets of Therapies (Includes Edwin Bierman Lecture) Oral Presentations	Oral Presentations	Symposium Common Mechanisms of Islet Injury in Type 1 and Type 2 Diabetes - 'Stressors' of Disease
6:00 - 7:15	Poster Reception							

DAY-AT-A-GLANCE

SUNDAY, JUNE 8, 2008

Bookstore Hours: 7:30 a.m. – 6:30 p.m.

Registration Hours: 7:30 a.m. – 6:30 p.m.
 Exhibit Hall Hours: 10:00 a.m. – 4:00 p.m.
 Poster Display Hours: 7:00 a.m. – 7:30 p.m.

	Islet Biology/ Insulin Secretion	Insulin Signaling/ Insulin Action	Integrated Physiology or Obesity	Clinical Diabetes/ Therapeutics	Behavioral Medicine, Clinical Nutrition, Education	Acute and Chronic Complications	Epidemiology/ Genetics	Immunology/ Transplantation
8:00-10:00	Symposium G-Protein Coupled Receptors in the Beta-Cell - Some Orphans Find a Home	Oral Presentations	Symposium Diabetes, the Heart and Exercise - At the Intersection of Endocrinology and Cardiovascular Medicine Oral Presentations	Symposium PPARs - Yes or No Quality of Care Before, During and After Pregnancy	Symposia Food and the Heart - No Salt, No Fat, No Fun! Neurocognition - Beyond Hypoglycemia	Symposium Mechanisms of Kidney Injury in Diabetic Nephropathy Oral Presentations	Symposium What Can We Learn about Diabetes from the Asian Populations?	Oral Presentations
	10:15 – 12:15 pm President, Medicine & Science Address and Banning Lecture 12:00 pm – 2:00 pm General Poster Session 12:30- 1:45 pm Interest Group Discussions							
2:00-4:00	Oral Presentations	Symposium Speed and Endurance, Nature or Nurture	Oral Presentations	Symposium New Classes of Pharmacologic Agents for the Treatment of Hyperglycemia on the Horizon Epigenetic Regulation in Utero Growth Oral Presentations	Symposium Motivating Patients to Follow a Physical Activity Program	Symposia New Developments in Diabetic Foot Wound Assessment and Treatment (Includes Roger Pecoraro Lecture) Mechanisms with Glucose-Sensing - AMP Kinase	Kelly West Lecture Oral Presentations	Symposium Pathogenesis of Autoimmunity - New or Under Appreciated Suspects?
4:15-6:15	Oral Presentations	Symposium Mechanisms of Insulin Resistance	Symposium Gender Difference in Regulation of Energy Balance and Body Fat Skeletal Muscle and Vascular Function - Benefits of Exercise	Symposia New Incretin Mimetic Agents Glycemic Control and Cardiovascular Outcomes - The VA Trials Measuring Glycemic Control AACC/ADA Symposium Important Issues in Laboratory Medicine Oral Presentations	Current Issues Swimming Upstream - Addressing Obesity in Clinical Practice (Includes Behavioral Medicine and Psychology Interest Group Lectureship for Distinguished Contributions) Symposium Impact of Subculture on Diverse Educational Needs	Oral Presentations	Symposium Genetics of Diabetes Complications	
	6:15-7:30 pm Poster Reception							

DAY-AT-A-GLANCE

MONDAY, JUNE 9, 2008

Bookstore Hours: 7:30 a.m. – 6:30 p.m.

Registration Hours: 7:30 a.m. – 7:00 p.m.
 Exhibit Hall Hours: 10:00 a.m. – 4:00 p.m.
 Poster Display Hours: 7:00 a.m. – 4:00 p.m.

	Islet Biology/ Insulin Secretion	Insulin Signaling/ Insulin Action	Integrated Physiology or Obesity	Clinical Diabetes/ Therapeutics	Behavioral Medicine, Clinical Nutrition, Education	Acute and Chronic Complications	Epidemiology/ Genetics	Immunology/ Transplantation
8:00-10:00	Symposium Guiding Pancreatic Development	Symposium Hormones and Obesity	Symposium Impaired Glucose Tolerance - Impaired Fasting Glucose	Current Issues Value of Insulin Analogs Are They Worth It? Symposia Evaluation of Safety and Efficacy of Drugs Hypoglycemia Oral Presentations	President, Health Care & Education Address and Outstanding Educator in Diabetes Award Lecture	Symposium Insights Into Diabetic Retinopathy Oral Presentations	Oral Presentations	Oral Presentations
10:15-11:45 am Scientific Achievement Awards Presentations and Outstanding Scientific Achievement Award Lecture 12:00 pm – 2:00 pm General Poster Session 12:30-1:45 pm Interest Group Discussions								
2:15-4:15	Oral Presentations	Oral Presentations	Current Issues Do We Have the Tools To Balance the Energy Balance Equation? Oral Presentations	Symposia Measuring Quality of Life Role of Glycemia in Cardiovascular Disease Oral Presentations	Current Issues Therapeutic Writing - Novel Approach to Health Symposium Innovative Diabetes Education - Supporting Diabetes Care in the Community	Symposia Renin - Angiotensin II - Aldosterone System in Diabetic Nephropathy Peripheral Arterial Disease and Diabetes	Oral Presentations	Symposium New and Emerging Therapeutic Targets
4:30-6:30	Symposium New Molecules in Crosstalk with Insulin Signaling	Symposium New Pathophysiology of Type 2 Diabetes Oral Presentations	Oral Presentations Late Breaking Clinical Studies	Oral Presentations	Symposium Education Program Recognition - Facts and Myths Oral Presentations	Symposium Cardiomyopathy and Diabetes Oral Presentations	Symposium Weight Loss and Beyond - The Independent Role of Nutrition in Diabetes Incidence and Prevention	Oral Presentations

Registration Hours: 7:00 a.m. – noon

Bookstore Hours: 7:00 a.m. – 12:30 p.m.

DAY-AT-A-GLANCE

TUESDAY, JUNE 10, 2008

	Islet Biology/ Insulin Secretion	Insulin Signaling/ Insulin Action	Integrated Physiology or Obesity	Clinical Diabetes/ Therapeutics	Behavioral Medicine, Clinical Nutrition, Education	Acute and Chronic Complications	Epidemiology/ Genetics	Immunology/ Transplantation
7:30-9:30	Symposium Secretory Granule Trafficking and Exocytosis	Oral Presentations	Symposium Behavioral Control of Energy Homeostasis by the Brain	Oral Presentations ACCORD Trial - Study Results	Case Studies Educating the Patient on Continuous Glucose Monitoring - Too Many Numbers, Too Little Time	Symposium Cell to Cell Interactions in Hypoglycemia	Symposium Novel Approaches for Diabetes Gene Discovery	
9:45-11:15			Glucose and Heart Disease - Implications for Clinical Practice	Panel Discussion				

Note: Tuesday, June 10, 2008 Schedule
The Program begins at 7:30 am and ends at 11:15 am.

PROGRAM HIGHLIGHTS

ABSTRACT BOOK

The Scientific Sessions Abstract Book (the June 2008 Supplement to *Diabetes*) will be provided free of charge at the meeting to all meeting registrants. Abstracts will also be available online two weeks prior to the meeting.

POSTER SESSIONS AND PRESENTATIONS

All abstracts selected as posters will be displayed Saturday, Sunday, and Monday, June 7-9, in Hall D of the Moscone Center. All posters 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 and again during an evening Poster Reception on Saturday or Sunday.

GENERAL POSTER SESSION SCHEDULE

A schedule for the Poster Presentations and Receptions will be available in the Final Program.

Saturday, June 7

- Complications, Hypoglycemia
- Complications, Macrovascular
- Complications, Neuropathy
- Diabetes Education
- Genetics
- Insulin Action
- Nutrition - Clinical
- Pediatrics
- Psychosocial/Behavioral Medicine

Sunday, June 8

- Clinical Therapeutics/New Technology - Pharmacologic Treatment of Diabetes or its Complications
- Epidemiology
- Foot Care, Lower Extremities
- Health Care Delivery/Economics
- Immunology
- Integrated Physiology
- Pregnancy
- Signal Transduction (Not Insulin Action)

Monday, June 9

- Clinical Therapeutics/New Technology - Glucose Monitoring and Sensing
- Clinical Therapeutics/New Technology - Insulin Delivery Systems
- Clinical Therapeutics/New Technology - Other Drug Delivery Systems
- Clinical Therapeutics/New Technology - Treatment of Insulin Resistance
- Complications, Nephropathy
- Complications, Ocular
- Diabetic Dyslipidemia
- Exercise
- Gene Expression Chips and Microarrays
- Islet Biology
- Obesity
- Transplantation

INTEREST GROUP DISCUSSION SESSIONS

Interest Group Discussion Sessions provide an opportunity for attendees to interact with their Professional Section peers. These sessions allow for discussion on subjects of mutual interest and for networking. The following Interest Groups will host discussion sessions this year:

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

MAJOR LECTURES

- Banting Medal for Scientific Achievement Lecture
- Outstanding Scientific Achievement Award Lecture
- Outstanding Educator in Diabetes Award Lecture
- Kelly West Award for Outstanding Achievement in Epidemiology Lecture
- President, Medicine & Science Address
- President, Health Care & Education Address
- Behavioral Medicine and Psychology Council Lectureship for Distinguished Contributions
- Plenary Lectures
- Edwin Bierman Lecture
- Roger Pecoraro Lecture
- Norbert Freinkel Lecture

EXHIBIT HALL

Plan to visit the world's largest exposition of diabetes-related products, services, and technology at the Moscone Center. More than 200 companies will showcase the newest and most innovative products and services available to health care professionals working in the field of diabetes. The exhibit hall will be open Saturday, Sunday and Monday from 10:00 a.m. to 4:00 p.m.

CHILDREN UNDER THE AGE OF 18, EVEN IF REGISTERED ATTENDEES/GUESTS, WILL NOT BE ADMITTED TO THE EXHIBIT HALL.

SCIENTIFIC SESSIONS OPENING RECEPTION

Scientific Session attendees and exhibitors are invited to attend the Opening Reception, which will be held on Friday, June 6, 2008, from 6:30 p.m. to 8:00 p.m. at the Yerba Buena Gardens. You won't want to miss the camaraderie of your peers, not to mention the drinks and hors d'oeuvres.

Visit scientificsessions.diabetes.org for more information.





68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA

GENERAL INFORMATION

ONLINE RESOURCES

The American Diabetes Association's Web site has the latest information. Visit scientificsessions.diabetes.org to learn more!

- 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 San Francisco.
- Plan your time in San Francisco — Find a restaurant, plan your shopping trip, or plan a family outing prior to your arrival.

SHUTTLE BUS TRANSPORTATION

Shuttle bus transportation to the Moscone Center will be provided for attendees who have made their hotel accommodation arrangements at most hotels, via ADA's official housing company. Hotel room rates include a rebate to assist with the cost of shuttle buses.

READY TO REGISTER?

	ADA Member*	Non Member	One Day	Student	Exhibit Hall Only
Register by: April 24	\$395	\$575	\$220	\$230	\$210
On-Site	\$485	\$680	\$235	\$245	\$260

MEMBERS SAVE AT LEAST \$180!

- Visit scientificsessions.diabetes.org and click on the link for Registration & Housing.
- Complete the registration form and book your hotel room online.
- Receive your confirmation and periodic updates via e-mail!

* You must remain an active ADA member through June 1, 2008, to qualify for the member rate.

REGISTRATION CATEGORIES

ADA Member: Category I and Category II Professional Members.

Non-Member

Student/Resident/Fellow: Available to people currently enrolled in a college or university. Proof of status with program must be supplied by institution along with registration form.

One Day: Provides admittance to all sessions, including the exhibit hall if open, for the selected day.

Exhibit Hall Only: Admittance to the exhibit hall only.

SCIENTIFIC SESSIONS PLANNING COMMITTEE

Harold E. Lebovitz, MD

Clinical Endocrinologist
Staten Island, NY

David G. Armstrong, DPM, PhD

Dr. William M. Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine and Science
Chicago, IL

Alan D. Attie, PhD

The University of Wisconsin — Madison
Madison, WI

George L. Bakris, MD

University of Chicago
Pritzker School of Medicine
Chicago, IL

Dennis M. Bier, MD

Children's Nutrition Research Center at Baylor College of Medicine
Houston, Texas

Michael J. Clare-Salzler, M.D.

University of Florida College of Medicine
Gainesville, FL

Kenneth Cusi, MD

University Texas Health Science Center
San Antonio, TX

Ralph A. DeFronzo, MD

University of Texas Health Science Center
San Antonio, TX

Jeffrey Elmendorf, PhD

Indiana University School of Medicine
Indianapolis, IN

Alison Evert, MS, RD, CDE

University of Washington Medical Center
Seattle, WA

Satish Garg, MD

University of Colorado Health Sciences Center
Aurora, CO

Ronald G. Gill, PhD

Alberta Diabetes Institute
Edmonton, Alberta

Edward Gregg, PhD

Centers for Disease Control and Prevention
Atlanta, GA

Sylvie Hauguel-de Mouzon, PhD

MetroHealth Medical Center
Cleveland, OH

Alberto Hayek, MD

University of California-San Diego
The Whittier Institute
La Jolla, CA

Matthias Hebrok, PhD

University of California — San Francisco
San Francisco, CA

Felicia Hill-Briggs, PhD, ABPP

Johns Hopkins Medical Institutions
Baltimore, MD

George G. Holz, PhD

New York University School of Medicine
New York, NY

Balakuntalam S. Kasinath, MD

University of Texas Health Science Center
San Antonio, TX

John M. Miles, MD

Mayo Clinic
Rochester, MN

Mike Mueckler, MD

Washington University
St. Louis, MO

Kabayam M. Venkat Narayan, MD

Emory University
Atlanta, GA

Louis H. Philipson, MD, PhD

University of Chicago
Chicago, IL

Paul F. Pilch, PhD

Boston University Medical Center
Boston, MA

Jorge Plutzky, MD

Brigham & Women's Hospital
Boston, MA

Judy G. Regensteiner, PhD

University of Colorado Health Sciences Center
Denver, CO

Henry Rodriguez, MD

Indiana University
Indianapolis, IN

Jane J. Seley, ANP, MSN, MPH, CDE

New York Presbyterian-Weill Cornell
New York, NY

Peter Sheehan, MD

Mount Sinai School of Medicine
New York, NY

Gerald J. Taborsky, Jr., PhD

University of Washington
Seattle, WA

Katie Weinger, EdD, RN

Joslin Diabetes Center
Boston, MA

FRIDAY, JUNE 6, 2008

2:00 PM – 4:00 PM

Current Issues

• **Current Issues in Exercise**

How Much Exercise is Enough? How Much is Too Much?

William L. Haskell, PhD

Independent Role of Exercise vs. a Weight Loss Program

Tim Church, MD, PhD

Aerobic and Resistance Training - Are They Addictive?

Gary R. Hunter, PhD

• **Cardiovascular Disease Risk Factors in Pediatrics**

Cardiovascular Risk for Children with Diabetes

Stephen R. Daniels, MD, PhD

Metabolic Syndrome Secondary to Therapy of Childhood Cancer

Julia Steinberger, MD

Bogalusa Heart Study - Development of Cardiovascular Disease in Children and Adolescents

Gerald Berenson, MD

Symposia

• **ADVANCE Trial - Study Results**

• **The Etiology of Diabetes Complications**

Pathogenesis of Diabetic Nephropathy

Berend Isermann, MD

Molecular Pathogenesis of Diabetic Cardiomyopathy

E. Dale Abel, MD, PhD

Endothelial Dysfunction in Diabetes

Per-Hendrik Groop, MD, DMSc

The Impact of Hyperglycemic Variability on Complications

TBD

• **Genetics and Clinical Care - 2008**

Monogenetic Causes of Diabetes

Andrew T. Hattersley, MD

Type 2 Diabetes, Genetic Basis

Leif Groop, MD, PhD

Pharmacologic Treatment of Diabetes Related to Gene Polymorphisms

Linda Wicker

Is It Time to Revisit the Classifications of Diabetes?

George Eisenbarth, MD, PhD

• **Diabetes Genome-Wide Association Studies for Obesity and Type 2 Diabetes - What Have We Learned and What Does the Future Hold?**

Genome-Wide Associations - Where Are We?

Timothy Frayling, PhD

What Do the Diabetes-Associated Variants Do?

Torben Hansen, MD, PhD

Genome-Wide Association - Can We Do Better?

Nicholas J. Wareham, PhD

Beyond Genome-Wide Association - Where Are We Going?

Ines Barroso, PhD

• **Immune Cells and Insulin Resistance**

Macrophage PPAR-gamma and IR

Christopher K. Glass, MD, PhD

PPAR-gamma and Macrophage Maturation

Ajay Chawla, MD, PhD

Macrophage Infiltration of Adipocytes

Martin S. Obin, PhD

T-cells and IR

Steven E. Shoelson, MD, PhD

• **Gene Silencing and Remodeling in Early Pancreas Differentiation**

Regulating Beta-Cell Mass by Beta 1 Integrins

Vincenzo Cirulli, MD, PhD

miRNAs in Early Pancreas Development

Michael S. German, MD

Chromatin Remodeling in Beta-Cells

Raghavendra G. Mirmira, MD

Epigenetic Regulation of PDX1 Gene Expression

Ulupi Jhala, PhD

4:15 PM – 6:15 PM

Symposia

• **Links Between Periodontal Disease and Diabetes**

Overview of Periodontal Disease for Non-Dentists

Ray Williams, DMD

Prevalence and Risk Factors for Periodontal Disease in People with Diabetes

Maria E. Ryan, DDS, PhD

Is Periodontal Disease Associated with Incidence or Progression of Diabetic Microvascular or Macrovascular Complications?

George W. Taylor, DrPH, DMD

Collaborating with Dental Professionals in Caring for Patients with Diabetes

Louis F. Rose, DDS, MD

• **Safety for Students with Diabetes**

• **What Your Patients Know and Don't Know about Diabetes - An Update from the National Diabetes Education Program**

• **Osteoporosis/Osteopenia in Diabetes**

Overview of Bone Metabolism and Tools for Assessing Clinical Disease

Robert Josse, MD

Are Fractures Increased or Decreased in Patients with Type 2 Diabetes?

Peter Vestergaard, MD, PhD, DrMedSc

Thiazolidinediones Treatment and the Risk of Fractures

Ann V. Schwartz, PhD

What are the Mechanisms by Which Thiazolidinediones Effect Bone Metabolism?

Andrew Grey, MD

• **Nutrient Regulated Signaling Cascades**

Regulating the Regulators: Role of AMPK - Related Kinases in Modulating Metabolic Programs via the TORC Family of CREB Coactivators

Marc Montminy, MD, PhD

Amino Acids and the TOR Pathway

George Thomas, PhD

PAS Kinases and Glucose Partitioning

Jared Rutter, PhD

ChRBPs Hepatic Steatosis and IR

Catherine Postic, PhD



Visit scientificsessions.diabetes.org for more information.



68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA

• Mitochondrial Metabolism and Type 2 Diabetes

Mitochondrial Metabolism in vivo in Diabetes and Aging

Kitt F. Petersen, MD

Hepatic ATP Turnover and Lipid Storage in Humans

Michael Roden, MD

Family Studies of Diabetes - What it Tells us About Mitochondrial Dysfunction

Mary E. Patti, MD

KO of Mitochondrial Genes Improves Insulin Sensitivity

J. Andrew Pospisilik, MD

Oral Presentations

6:30 PM – 8:00 PM

Opening Reception

SATURDAY, JUNE 7, 2008

8:00 AM – 10:00 AM

Current Issue

• Challenges in Management of Childhood Diabetes

Challenges in Management of Childhood Diabetes

Novel Interventions to Promote Self-Care in Children and Adolescents

Lori M. Laffel, MD

Controversies in Drug Therapy

Symposia

• Continuous and/or Self-Monitoring of Blood Glucose

Advantages and Disadvantages of the Different SMBG Systems

Oliver Schnell, MD

Does SMBG Improve Glycemic Control in Non-Insulin Requiring Type 2 Diabetes?

David Owens, MD

Outcome Studies From Continuous Glucose Monitoring

Timothy S. Bailey, MD

Continuous Glucose Monitoring - What Does it Add to the Ordinary Management of Diabetes?

Irl B. Hirsch, MD

• Painful Neuropathy

Mechanisms of Pain in Diabetic Neuropathies

Joachim Scholz, MD

CNS Basis of Pain Perception

Solomin Tesfaye, MD

Pharmacological Treatments for Painful Diabetic Neuropathy

Dan Ziegler, MD

Non-Pharmacological Treatments of Painful Diabetic Neuropathy

Miroslav Backonja, MD

• Carbohydrates - Are They All Created Equal When It Comes to Glycemic Control?

Carbohydrate Metabolism 101 - A Scientific Exploration of this Nutrient

Julie Miller-Jones, PhD

Glycemic Impact of this Nutrient - Focus on Weight Control and Implications for Diabetes

Janine Higgins, MD

Nutrition Recommendations for Clinical Practice

Hope S. Warshaw, MMSc, RD, CDE, BC-ADM

• Getting Personal - Talking to Your Patients About Diabetes and Sexual Issues

Sexual Health in Women - What Are the Issues?

Irwin Goldstein, MD

Sexual Health in Men - What are the Issues?

Donna M. Rice, RN, CDE

Teens and Sexual Health

Denise Charron-Prochownik, PhD, RN

Psychosocial Impact - Issues with Marital Intimacy

Lawrence Fisher, MD

Talking to Your Patients about Sexual Issues

Mitchell S. Tepper, PhD

• Update on Prevention and Intervention Studies in Type 1 Diabetes

Prevention Studies in Infants

Dorothy J. Becker, MBBCh

Altered Peptide Ligands

Peter A. Gottlieb, MD

Immunotherapies

Mark D. Pescovitz, MD

Cell-Based Therapies

Michael J. Haller, MD

• Predicting and Finding Diabetes and Pre-Diabetes

Simple Diabetes Prediction Models in the Community Setting

Frederick Brancati, MD, MHS

Identification and Detection in Managed Care and Health Care Settings

Patrick J. O'Connor, MD

Use of Genetic and Family History Information to Enhance Prediction

Paul W. Franks, PhD, MPhil

Is There Value in Early Detection?

Stephen Colagiuri, MD

• Control of Lipolysis

ATGL and Lipolysis

Rudolf Zechner, PhD

FPS27, Lipid Droplets

Michael P. Czech, PhD

The Drosophila Fat Body

Ronald P. Kuhnlein

Lipin and Lipodystrophy

Karen Reue, PhD

• Nutrient Sensing by the Brain

Lipids

Silvana Obici, MD

Glucose

Bradford B. Lowell, MD, PhD

Amino Acids

Daniela Cota, MD

• EASD/ADA Symposium

• Extracellular Matrix - Role in Islet Formation and Function

Impact of the Physical Microenvironment on Beta-Cell Function and Survival

Philippe A. Halban, PhD

Unique Basement Membrane Structure of Human Islets

Timo Otonkoski, MD, PhD

Id1 and Id3 Transcription Factors Control a Tissue Niche for Bone Marrow-Derived Vasculogenic Cells at Sites of Transplantation
 Laura Crisa, MD, PhD

EphA-Ephrin-A-Medicated Beta-Cell Communication
 Eckhard Lammert, PhD

Oral Presentations

10:15 AM – 11:15 AM

Plenary Lectures

11:30 AM – 1:30 PM

General Poster Session

11:30 AM – 12:45 PM

Interest Group Discussions

1:45 PM – 3:45 PM

Current Issues

• The Great Protein Debate

Higher Levels of Protein Intake are Bad
 Joel D. Kopple, MD

Higher Levels of Protein Intake are Good
 Osama Hamdy, MD, PhD

Symposia

• Wound Healing and Regeneration

Nitric Oxide and Wound Healing
 TBD

Neuropeptides and Wound Healing in Diabetes
 Theoharis Theoharides, MD, PhD

Principles of Regeneration of Skin and Nerve Tissue
 Ioannis V. Yannas, PhD

Angiogenesis in Diabetic Wound Healing
 John P. Cooke, MD, PhD

• Health Behavior Change - A Tale of Three Theories

Theory of Reasoned Action
 Martin Fishbein, PhD

Social Cognitive Theory/Self-Efficacy and Health
 Judith Saltzberg, PhD

Cognitive Behavioral Therapy in Health and Weight Loss
 Howard Leventhal, PhD

• Cardiac Imaging and Surrogate Markers for Clinical Cardiovascular Disease

Overview of Inflammatory and Oxidative Stress Markers

Ishwarlal Jialal, MD, PhD

Non-invasive Cardiac Imaging for Early Detection in Diabetes (CAC, CHF and CTA) - Pros and Cons
 TBD

MRI in Cardiac Imaging/Cardiovascular Molecular Imaging

Joseph C. Wu, MD, PhD

Does Intimal Medial Thickness Really Predict Cardiovascular Disease?

Eva M. Lonn, MD

• Early Insulin Treatment is Preferable in Type 2 Diabetes

Does Insulin Therapy Decrease Beta-Cell Apoptosis?
 Peter C. Butler, MD

Insulin Therapy Should Be Started Early in the Course of Diabetes
 Rury R. Holman, MD

There is No Benefit to the Early Use of Insulin to Control Hyperglycemia
 Mayer B. Davidson, MD

• Type 1 Diabetes – Can We Prevent Fetal Demises?

Birth Defects Clinical
 Adolfo Correa, MD, DrPH

Birth Defects Metabolism (Hypoxia-Hyperglycemia)
 Mary Loeken, PhD

Birth Defects Micronutrients
 Parri Wentzel, PhD

Stillbirth in Type 1 vs. Type 2 - NIH Multicenter Trial
 Marshall W. Carpenter, MD

• Lessons in Human Diabetes Learned from Genetically Engineered Mouse Models - Genes Affecting Beta-Cell Function

Overview and Insulin/IGF-I Signaling in Islets
 Rohit N. Kulkarni, MD, PhD

Role of GSK3/FoxO1 in Islet Beta-Cells
 M. Alan Permutt, MD

Repression of Ink4A/Arf Expression by the Polycomb Group Protein Ezh2 Promotes Pancreatic Beta-Cell Expansion and Prevents Diabetes Mellitus
 Seung K. Kim, MD, PhD

Akt/mTOR in Islet Beta-Cells
 Ernesto Bernal-Mizrachi, MD

• Islet Transplantation - What Works and What Doesn't – Where Do We Go From Here?

Islet Transplantation - Where Are We? What Do We Need?

Bernhard J. Hering, MD

Coagulation/Thrombosis in Early Islet Loss
 Ollie Korsgren, MD, PhD

Chronic Glycemic Distress and Islet Failure
 Susan Bonner-Weir, PhD

Islet Revascularization
 Alvin C. Powers, MD

• Non-Alcoholic Fatty Liver Disease (NAFLD) in Type 2 Diabetes

Hepatic Steatosis in Type 2 Diabetes - Metabolic and Hormonal Defects

Jay D. Horton, MD

Nuclear Factor - κ B - Role in Inflammation and Fibrosis in NAFLD
 Derek A. Mann, PhD

Is Fatty Liver a Mitochondrial Disease?
 Stephen H. Caldwell, MD

Treatment of NAFLD - Present and Future
 Stephen A. Harrison, MD

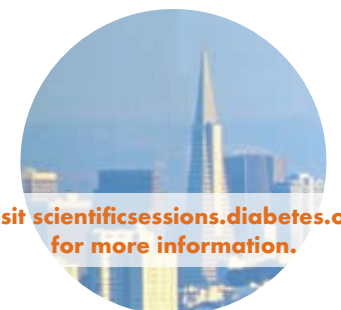
• Calories and a Healthy Lifespan

C. elegans Insulin Signaling and Aging
 Andrew Dillin, PhD

Sirtuins and Insulin Secretion
 Anne Brunet, PhD

PTP1B Insulin Sensitivity and Weight Control
 Brian P. Kennedy, PhD

Insulin/IRS and Longevity
 Morris White, PhD



Visit scientificsessions.diabetes.org for more information.



68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA

• **IDF/ADA Symposium The Broader Reach of Diabetes**

Diabetes and Sleep Apnea - IDF Consensus Statement

Paul Zimmet, MD

Diabetes and Migrants - A Hidden Major Problem TBD

Diabetes and Disaster Situations - Preparing for the Worst

Debbie Jones, RN

• **Making More Beta-Cells - How and from Where?**

Bring Beta-Cells Back After Killing Them

Kevin D'Amour, PhD

Tracing Beta-Cell Regeneration in Vivo

Eric J. Rulifson, PhD

Menin in Beta-Cell Replication

Satya K. Karnik, PhD

How GLP-1 Promotes Beta-Cell Replication

Bernard Thorens, PhD

Oral Presentations

4:00 PM – 6:00 PM

Symposia

• **Anti-Diabetic Medications During and After Pregnancy (Includes Norbert Freinkel Lecture)**

Norbert Freinkel Lecture

What I've Learned About - What We Need to Learn About - Caring for Pregnant Women Who Have Diabetes

David A. Sacks, MD

Insulin Analogs in Pregnancy - Safe and Useful?

Elisabeth R. Mathiesen, MD

Oral Agents and Type 2 Diabetes in Pregnancy

Denice S. Feig, MD

Metformin: Is it Time to Decide?

Janet A. Rowan, MBChB

• **Novel Measures for Cardiovascular Risk Assessment and Targets of Therapies (Includes Edwin Bierman Lecture)**

Edward Bierman Lecture

Scott Grundy, MD, PhD

Apo B

Particle Size and Number

Non-HDL Cholesterol

• **Wading in the Stagnant Pool of Research Dollars - What You Can Do to Rejuvenate the Water**

Overview of ADA Advocacy

Federal Appropriations Process

How Health Care Professionals Can Get Involved

Health Care Professionals and Advocacy Litigation

• **The Pharmacokinetics of Alternative Insulin Delivery Systems**

Portal vs Peripheral Insulin Delivery

Robert A. Rizza, MD

Pharmacokinetics and Pharmacodynamics of Alternate Insulin Delivery Systems

Lutz Heinemann, PhD

Nasal Insulin as a Unique Delivery System to the CNS

Manfred Hallschmid, PhD

Pharmacokinetics and Pharmacodynamics of Inhaled Insulin Insets

Alan D. Cherrington, PhD

• **Common Mechanisms of Islet Injury in Type 1 and Type 2 Diabetes - 'Stressors' of Disease**

Insulin Resistance and Islet Inflammation in Type 1 Diabetes

Inflammation/Innate Immunity in Type 1 Versus Type 2

Inflammation and Type 2 Diabetes

Metabolic/Glycemic Distress in Islet Transplants

• **Incretin Hormones and Whole Body Physiology**

GLP-1/GIP Secretion - What's Up? What's Down?

Michael A. Nauck, PhD

Incretins and the Brain

Randy J. Seeley, DrPH

Incretins and the Islet Cell Function

Piero Marchetti, MD, PhD

Incretins and the Heart

Daniel J. Drucker, MD

• **BMI vs. Waist Circumference - What's Better (Bigger)**

Metabolic Implications of Excessive Abdominal (Subcutaneous and Visceral) Fat

Michael Jensen, MD

BMI, Waist Circumference, and Cardiometabolic Risk: What's the Relationship?

Frank B. Hu, MD, PhD

BMI and Mortality - What Do the Data Really Show?

Katherine M. Flegal, PhD

Should Waist Circumference Be Measured in Clinical Practice?

Samuel Klein, MD

• **Insulin Production - A Ride Along the Beta-Cell Conveyer Belt**

Regulation of the Insulin Gene and Consequences of Dysregulation

Roland B. Stein, MD

Endoplasmic Reticulum - Checkpoint for Control of Protein Synthesis and Folding

Feroz Papa, MD, PhD

3D-Visualization of the Beta-Cell Secretory Pathway

Brad J. Marsh, PhD

Insulin Mutations and Monogenic Diabetes

Donald F. Steiner, MD

Oral Presentations

6:00 PM – 7:15 PM

Poster Reception

SUNDAY, JUNE 8, 2008

8:00 AM – 10:00 AM

Symposia

• Quality of Care Before, During and After Pregnancy

What Do We Have, What Do We Need - An Overview

John L. Kitzmiller, MD

How Will the HAPO Study Change the Concept of Gestational Diabetes?

Boyd E. Metzger, MD

The Gestational Care (CeMACH Study)

Jo Modder, MD

Quality of Care After Pregnancy - Window to the Future

Peter Damm, MD, DMSc

• Mechanisms of Kidney Injury in Diabetic Nephropathy

MicroRNA Mediation of Matrix Synthesis in the Diabetic Kidney

Rama Natarajan, PhD

Proteomics and Microarray – Uses and Limitations in Early Diagnosis of Diabetic Nephropathy

Kumar Sharma, MD

Renal Pathology – Differences Between Type 1 and Type 2 Diabetes

Paola Fioretto, MD, PhD

Role of Oxidants in the Vascular Complications of Diabetes

Sudhir V. Shah, MD

• Food and the Heart - No Salt, No Fat, No Fun!

Dietary Trans Fats: Effects on the Heart, Adiposity, and Insulin Resistance

Dariush Mozaffarian, MD, DrPH

Prevention and Treatment of Hypertension

Patricia J. Elmer, PhD

Implications for Clinical Practice

Jackie Boucher, RD, CDE

• Neurocognition - Beyond Hypoglycemia

Neurocognition in Type 1 Diabetes from Childhood through Adulthood

Brian M. Frier, MD

Neurocognition and Risk For Dementia in Adults with Type 2 Diabetes - Knowledge Gaps from Population-Based Research

Rachel A. Whitmer, PhD

Neurocognition and Diabetes Control in Older Adults with Type 2 Diabetes

Medha Munshi, MD

• PPARs - Yes or No

PPARs in Development – What is the Rationale?

Bart Staels, PhD

Thiazolidinediones - An Update on Cardiovascular Side Effects

Karen M. Mahoney, MD

Differences Between Pioglitazone and Rosiglitazone on Cardiovascular Disease Risk - Are They Clinically Relevant?

Zachary T. Bloomgarden, MD

How Should We position the Use of TZDs in the Management of Type 2 Diabetes in 2008?

Philip Raskin, MD

• What Can We Learn about Diabetes from the Asian Populations?

Evolving Diabetes Epidemics in China

Juliana Chan

What We Can Learn From India and Asian Indians in the U.S.

Alka M. Kanaya, MD

Diabetes in Japan and Japanese Americans

Wilfred Y. Fujimoto, MD

Etiology and Interventions of Diabetes in India

Ambady Ramachandran, MD, PhD

• Diabetes, the Heart and Exercise - At the Intersection of Endocrinology and Cardiovascular Medicine

Why Do Patients with Diabetes Have a Lower Maximal Oxygen Consumption?

Paul Poirier, MD, MSC

What is the Evidence for Exercise-Induced Cardiac Abnormalities Early in Diabetes

James C. Baldi, PhD

What is the Evidence for Myocardial Metabolic Abnormalities from Exercise in Diabetes?

Patricia Iozzo, MD, PhD

• G-Protein Coupled Receptors in the Beta-Cell Some Orphans Find a Home

Agonists for the GLP-1 Receptor: Once-Daily Human GLP-1 Analogs and Small Molecule Ago-Allosteric Modulators

Lotte Bjerre Knudsen, PhD

GPR-119 Ligands

James Leonard, PhD

GPR-40 Agonists or Antagonists?

Vincent Poitout, DVM, PhD

How Elevating Beta-Cell cAMP Stimulates Insulin Secretion

Susumu Seino, MD, PhD

Oral Presentations

10:15 AM – 12:15 PM

President, Medicine & Science Address

John Buse, MD, PhD

Banting Lecture

Ralph A. DeFronzo, MD

12:00 PM – 2:00 PM

General Poster Session

12:30 PM – 1:45 PM

Interest Group Discussions

2:00 PM – 4:00 PM

Symposia

• New Developments in Diabetic Foot Wound Assessment and Treatment (Includes Roger Pecoraro Lecture)

Roger Pecoraro Lecture - Preventing Diabetic Foot Ulcers - Is It "Use It or Lose It?"

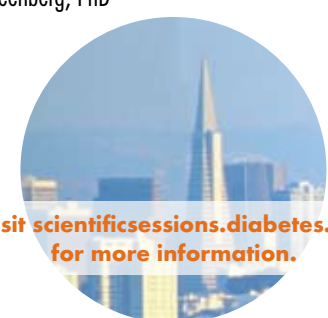
David R. Sinacore, PhD

Topical Therapy for Infections - Are Peptides Ready for Prime-Time?

Michael A. Zasloff, MD

Bacterial Biofilms – Molecular Aspects

E. Peter Greenberg, PhD



Visit scientificsessions.diabetes.org for more information.



68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA

• Mechanisms with Glucose-Sensing - AMP-kinase

An Overview of AMP Kinase as an Organ Fuel Sensor
Barbara B. Kahn, MD

Role of AMP-Kinase in Pancreatic Beta-Cell Glucose-Sensing - Lessons For the Hypothalamus
Guy A. Rutter, PhD

The Role of AMPK and NO in Hypothalamic Glucose Sensing
Vanessa H. Routh, PhD

Use of Neuronal Specific Transgenic Mice to Examine the Role of AMP-Kinase in Glucose Homeostasis
Dominic J. Withers, PhD, MBBS

• Motivating Patients to Follow a Physical Activity Program

Overview of Barriers - Focus on Identification and Assessment of Barriers
Trudy Gaillard, RN, CDE

Working with the Elderly
Jacqueline I. Shahar, MEd, CDE

Exercise Strategies in Young and Middle-Aged Adults with Type 2 Diabetes
Brent Van Dorsten, PhD

Weight Loss and Exercise - Successfully Maintaining Weight Loss
John M. Jakicic, PhD

• New Classes of Pharmacologic Agents for the Treatment of Hyperglycemia on the Horizon

Sodium Glucose Cotransporter (SGLT) - Type 2 Inhibitors
Robert R. Henry, MD

Glucokinase Activators
Daryl K. Granner, MD

Glucagon Receptor Antagonists
TBD

Sirtuins
David A. Sinclair, PhD

• Epigenetic Regulation In Utero Growth

Epigenetic Regulation of Human Fetal Growth
Rebecca A. Simmons, MD

Methylation Donors - The Role of a Mother's Diet
Craig A. Cooney, PhD

Epigenetic Regulation of Human Placenta Growth
Benjamin Tyoko, MD, PhD

• Pathogenesis of Autoimmunity – New or Under Appreciated Suspects?

Th17: Player in Autoimmune Pathogenesis

Role of IL-2 Variation in Autoimmune Diabetes Regulation/Instability of Tregs
Innate Immunity/TLRs

• Speed and Endurance, Nature or Nurture?

Metabolic Control in Type 2 Muscle
Kenneth Walsh, PhD

Muscle PEPCK and Exercise Performance
Richard W. Hanson, PhD

Derivation of Experimental Models of Complex Disease: An Evolutionary Strategy
Steve L. Britton, PhD

Resveratrol and Exercise Capacity
Peter Elliott, PhD

Oral Presentations

Kelly West Lecture

Markku Laasko, MD

4:15 PM – 6:15 PM

Current Issues

• Swimming Upstream - Addressing Obesity in Clinical Practice

Behavioral Medicine and Psychology Interest Group Lectureship for Distinguished Contributions
Rena Wing, PhD

Models for Weight Loss and Metabolic Outcomes in Obese Children and Adolescents
Mary Savoye, RD

Models for Clinical Practice with Adults in Primary Care Offices

Don A. Williamson, PhD

Symposia

• Important Issues in Laboratory Medicine

The Measurement of Glucose - Is It As Accurate As We Think It Is?

David B. Sacks, MB, ChB

How Accurate are Glucose Meters - How Accurate Do They Need to Be - Are New Meters Substantially Better?

David E. Bruns, MD

Status on the Standardization of the Insulin Assay
Michale Steffes, MD, PhD

• Impact of Subculture on Diverse Educational Needs

Cultural Diversity Amongst Latinos by Origin and Acculturation

Lorena Drago, RD, CDE

Similarities and Differences Amongst Chinese Cultures
William C. Hsu, MD

Afro-Caribbean vs. African American Subcultures
James S. Jackson, PhD

• New Incretin Mimetic Agents

New Incretin Mimetic Agents - Liraglutide and Others
David A. D'Alessio, MD

Dipeptidyl Peptidases - Physiological Functions and Overlapping Activities
Carolyn F. Deacon, PhD

The HMO Experience with Incretin Therapy
TBD

• Measuring Glycemic Control

1,5 Anhydroglucitol
Kathleen M. Dungan, MD

Estimated Average Glucose
Edward S. Horton, MD

Measuring Glycemic Control Using Cutaneous Fluorescence
M.N. Ediger, PhD

Measuring Glycemic Control in the Setting of Advanced Renal Disease
Barry Freedman, MD

• Glycemic Control and Cardiovascular Outcomes - The VA Trial

Study Background, Design, On-Study Glycemic Separation and Risk Factor Control
Carlos Abraira, MD

Statistical Methods, Impact of Rosiglitazone
Tom E. Moritz, MD

Relationship Between Arterial Calcifications and Other Novel Risk Factors to Cardiovascular Events
Peter Reaven, MD

Cardiovascular Outcomes by Glycemic Control Treatment Arm
William C. Duckworth, MD

• Genetics of Diabetes Complications

Genetics of Coronary Artery Disease
Jonathan C. Cohen, PhD

Genome-Wide Association Study on Diabetic Nephropathy in Type 1 Diabetes - Results of the GoKinD
Andrzej S. Krolewski, MD, PhD

Diabetic Retinopathy
Dan L. Nicolae, PhD

Genome-Wide Association Studies on Diabetic Retinopathy in Pimas
Michele M. Sale, PhD

• Mechanisms of Insulin Resistance

Acute Mechanisms of Insulin Resistance
David E. James, MD

DAGK and Insulin Resistance
Juleen R. Zierath, MD

TBD
Randy Kaufman, PhD

CEACAM Hepatic Insulin Clearance and Insulin Resistance
Sonia M. Najjar, MD

• Skeletal Muscle and Vascular Function - Benefits of Exercise

Effects of Diabetes and Prediabetes on Endothelial Function - Potential Therapeutic Options
Markku Laakso, MD

Obesity and Endothelial Vasomotor Regulation
Christopher A. DeSouza, PhD

Skeletal Muscle Oxygenation and Oxidative Function During Exercise
Timothy Bauer, PhD

Impact of Bed Rest on Muscle Glucose Metabolism in Healthy and Prediabetic Subjects
Allan Vaag, PhD

• Gender Difference in Regulation of Energy Balance and Body Fat

Sex Differences in the Control of Food Intake
Nori Geary, PhD

Sex Differences in Body Composition
Steven R. Smith, MD

Sex Differences in Metabolism
Deborah J. Clegg, PhD, RD

Oral Presentations

6:15 PM – 7:30 PM

Poster Reception

MONDAY, JUNE 9, 2008

7:00 AM – 8:00 AM

Health Care Professionals Breakfast

8:00 AM – 10:00 AM

President, Health Care & Education Address

Ann L. Albright, PhD, RD

Outstanding Educator in Diabetes Award Lecture

David G. Marrero, PhD

8:00 AM – 10:00 AM

Current Issue

• Value of Insulin Analogs - Are They Worth It?

Yes
Julio Rosenstock, MD

No
Edwin Gale, PhD

Symposia

• Insights into Diabetic Retinopathy

Update on Photocoagulation for Diabetic Retinopathy.
Lloyd P. Aiello, MD, PhD

Genome-Wide Association Studies on Diabetic Retinopathy in Mexican Americans
Craig L. Hanis, PhD

Role of Intraocular vs Systemic Renin-Angiotensin-Aldosterone System in Diabetic Retinopathy
Edward P. Feener, PhD

• Evaluation of Safety and Efficacy of Drugs

Value of Meta-Analyses
Todd A. MacKenzie, PhD

Are Large Cohort Observational Data Valuable?
Alain G. Bertoni, MD

Considerations for Drug Approvals - Balancing Risks and Benefits
Saul Malozowski, MD, PhD

Pharmaceutical Perspective to Drug Approvals
Alain Baron, MD

• Hypoglycemia

Incidence and Severity of Hypoglycemia in Type 1 and Type 2 Diabetes
Sunder R. Mudaliar, MD

Clinical Recommendations About Diabetes Management During Intense Exercise
Ian Gallen, MD

Strategies for Improving Glucose Control in Type 2 Diabetes While Avoiding Hypoglycemia
Mark R. Burge, MD

Management of Hypoglycemic Unawareness
Stephen Davis, MD

• Hormones and Obesity

NPY (Nat. Medicine)
Zofia Zukowska, MD, PhD

Human Obesity Genes
Peter Arner, MD

Gut Hormones - Appetite Regulation
Stephen R. Bloom, MD

Adrenal Cortex and Feeding
Mary F. Dallman, PhD

• Impaired Glucose Tolerance - Impaired Fasting Glucose

Pathophysiology of IGT and IFG
Muhammad Abdul-Ghani, MD, PhD

Are IFG/IGT Cardiovascular Risk States?
William C. Knowler, MD, PhD

Is the Pre-Diabetes Label Useful?
Saul Genuth, MD



Visit scientificsessions.diabetes.org for more information.



68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA

• Guiding Pancreatic Development

Signaling Pathways for Pancreas Development
Charlie Murtaugh, PhD

Temporal Control of Progenitor Cell Pluripotency
Maïke Sander, MD

Transcriptional Control of Exocrine Pancreas Differentiation
Raymond J. MacDonald, PhD

Transcriptional Control of Endocrine Pancreas Differentiation
Maureen A. Gannon, RD, LD, CDE

Oral Presentations

10:15 AM – 11:45 AM

Scientific Achievement Awards Presentation and Outstanding Scientific Achievement Award Lecture

Matthias G. von Herrath, MD

12:00 PM – 2:00 PM

General Poster Session

12:30 PM – 1:45 PM

Interest Group Discussion Sessions

2:15 PM – 4:15 PM

Current Issues

• Therapeutic Writing - Novel Approach to Health

Use of Narrative Writing and Literature in Medical Education
Louise Aronson, MD

Expressive Writing - Background and Effectiveness in Chronic Disease
Joshua M. Smyth, PhD

Novel Approach to Health
Denise M. Sloan, PhD

• Do We Have the Tools to Balance the Energy Balance Equation?

Instruments for Measuring Energy Expenditure
Eric Ravussin, PhD

Instruments for Measuring Energy Intake
Katherine L. Tucker, PhD

Understanding Obesity as a Disorder of Energy Homeostasis
Michael W. Schwartz, MD

Symposia

• Renin - Angiotensin II - Aldosterone System in Diabetic Nephropathy

ACE2 in Pathogenesis of Diabetic Kidney Injury
Julie R. Ingelfinger, MD

ACE Inhibitors and ARBs in Diabetic Nephropathy
TBD

Aldosterone in Diabetic Nephropathy
Michel Burnier, MD

Renin-Angiotensin System Blockade in Diabetic Nephropathy and Retinopathy: The RASS Primary Prevention Trial
Michael Mauer, MD

• Innovative Diabetes Education - Supporting Diabetes Care in the Community

Use of Telehealth Modalities to Effect Behavioral Changes Required for Improved Glycemic Control
Susan Lehrer, RN

Meeting Healthy People 2010 Education Goals in Rural Communities
Linda M. Siminerio, PhD, RN

Chat Rooms - Harmful or Helpful
John F. Zrebiec, MSW

Implementing Community-Based Self-Management Programs in Diverse Communities
Edwin B. Fisher, PhD

• Peripheral Arterial Disease and Diabetes

Epidemiology of Peripheral Arterial Disease
Michael H. Criqui, MD, AB

Medical Management of Peripheral Arterial Disease

Endovascular Interventions
Timothy Murphy, MD

Angiogenesis in Peripheral Arterial Disease
Brian H. Annex, MD

• Measuring Quality of Life

How to Measure Quality of Life

Factors That Affect Quality of Life Measurements
Mark D. Sullivan, MD, PhD

Critical Analysis that Diabetes Treatments Improve Quality of Life
Roger T. Anderson, PhD

• Role of Glycemia in Cardiovascular Disease

Results from the HOORN Study - A1C Predicts CVD in Non-Diabetes
Jacqueline M. Dekker, PhD

Relationship Between A1C and Cardiovascular Diseases in Diabetic Patients
Hertzel C. Gerstein, MD

Insulin Treatment in Diabetic Patients is Associated with A Decrease in Cardiovascular Disease Events
Vivian Fonseca, MD

Impact on Mortality of a Multifactorial Intervention in Type 2 Diabetes - 13 year Follow-Up of Patients in the Steno-2 Study
Oluf Pedersen, MD, DMSci

• New and Emerging Therapeutic Targets

Combinational Therapies for Synergistic Therapeutic Outcome

Induction of Tregs

Indoleamine 2,3-Dioxygenase (IDO) and Regulation of Autoimmune Diabetes

Alpha 1-Antitrypsin as an Anti-Inflammatory Therapy

4:30 PM – 6:30 PM

Symposia

• **New Pathophysiology of Type 2 Diabetes**

Role of the Liver
Meredith Hawkins, MD

Role of the Muscle
Gerald I. Shulman, MD, PhD

Role of the Beta-Cell
Kenneth S. Polonsky, MD

• **Cardiomyopathy and Diabetes**

Does Diabetic Cardiomyopathy Exist?
Mitochondrial Metabolism in the Diabetic Heart
Oxidative Stress

• **Education Program Recognition - Facts and Myths**

• **Weight Loss and Beyond - The Independent Role of Nutrition in Diabetes Incidence and Prevention**

Quantity vs. Quality of Fats and Carbohydrates
Matthias B. Schulze, DrPH

What Influences Do They Have? Sodas and Beverages
Mark A. Pereira, PhD

Trace Minerals (selenium, chromium, Vit D, etc.)
Eliseo Guallar, MD, DrPH

Surrogate Biomarkers of Nutrition-Based Risk
Janet C. King, PhD

• **New Molecules in Crosstalk with Insulin Signaling**

Osteocalcin and Skeletal Regulation of Metabolism
Gerard Karsenty, MD, PhD

Nampt/Visfatin and Pancreatic Function
Shin-Ichiro Imai, MD, PhD

Nuclear Receptors - FGF's and Metabolism
David J. Mangelsdorf, PhD

Circadian Rhythms, the CLOCK Gene and Metabolism
Joseph T. Bass, MD, PhD

• **Late Breaking Clinical Studies**

Oral Presentations

TUESDAY, JUNE 10, 2008

7:30 AM – 9:30 AM

Case Studies

• **Educating the Patient on Continuous Glucose Monitoring – Too Many Numbers, Too Little Time**

Brief Overview of the Role of Education in Continuous Glucose Monitoring
Margaret A. Powers, PhD, RD, CDE

Screening, Managing Expectations, and Psychosocial Barriers
Marilyn D. Ritoltz, PhD

Initiating Continuous Glucose Monitoring
Jean Corigan, RN, CDE

Reducing Glycemic Variability with Nutrition Recommendations
Dana U. Armstrong, RD, CDE

Symposia

• **Cell to Cell Interactions in Hypoglycemia**

Zinc's Role in the Suppressive Effect of the Beta-Cell on the Alpha-Cell
Claes B. Wollheim, MD

GABA's Role in the Suppressive Effect of the Beta-Cell on the Alpha-Cell - The Glial Cell to the Neuron
Matthias Braun, MD

The Role of Astrocytes in Brain Energy Metabolism
Luc Pellerin, PhD

Glial and Neuronal Responses to Hypoglycemia
Raymond A. Swanson, MD

• **Novel Approaches for Diabetes Gene Discovery**

Gene Networks
Paola Sebastiani, PhD

Positional Cloning of a Type 2 Diabetes Gene in Mice
Hans-Georg Joost, MD, PhD

Positional Cloning of a Hypertriglyceridemia Gene in Mice
Miklos Peterfy, PhD

Consomic Mouse Strains
Joseph Nadeau, PhD

• **Behavioral Control of Energy Homeostasis by the Brain**

Hedonic Influences Over Energy Homeostasis
Hans-Rudolph Berthoud, PhD

The Role of Learning and Memory in the Control of Food Intake
Stephen C. Benoit, PhD

Anticipatory Influences Over Food Intake
Karen Teff, MD, PhD

Link Between Addiction and Eating Disorders
Jeffrey Grimm, PhD

• **Secretory Granule Trafficking and Exocytosis**

Lipids, Lipidation and Insulin Secretory Trafficking/Exocytosis
Anjaneyulu Kowluru, PhD

Regulatory Proteins and Insulin Secretory Trafficking/Exocytosis
Debbie C. Thurmond, PhD

Regulation of the Insulin Secretory Process by MicroRNAs
Romano Regazzi, PhD

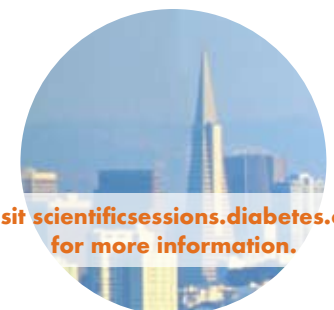
Autophagy as the Alternative to Insulin Secretory Granule Trafficking/Exocytosis
Christopher Rhodes, PhD

• **ACCORD Trial - Study Results**

Oral Presentations

9:45 AM – 11:15 AM

Panel Discussion: Glucose and Heart Disease - Implications for Clinical Practice



Visit scientificsessions.diabetes.org for more information.

68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CALIFORNIA



REGISTRATION INFORMATION

Register online by April 24, 2008, to receive the “advance registration” discounted rates. Online registration is fast, easy, and secure. Registering online allows us to send your confirmation letter instantly, and gives us a fast and easy way to contact you via email. Occasional emails will be sent to registered participants advising of new session opportunities, exclusive registration offers, and any last minute changes to the schedule.

Residents of the U.S. and Canada who register prior to April 24, 2008, will receive their badges and tickets in the mail. All other attendees should bring their confirmation letters on-site to receive their badges and meeting materials. Failure to produce the confirmation letter will result in delays. A picture ID will be required to pick up your materials.

■ **REGISTER ONLINE:** scientificsessions.diabetes.org

If you are unable to register online, please visit the Scientific Sessions Web site to download a paper copy of the registration form.

Questions? ada@wyndhamjade.com or 866-268-0195

MEDIA REGISTRATION

Credentialed members of the media may register to attend the conference and are required to provide ADA staff with a copy of their press credentials and letter of assignment. Qualified media outlets must be represented by editorial staff, not advertising, marketing, or publishing staff. Publishers will not be considered part of the editorial staff. Media interested in attending should contact the Communications Division at 703-549-1500, Ext. 5510 or email dtuncer@diabetes.org, for instructions on registering.

INTERNATIONAL AND DOMESTIC GROUP ORGANIZERS & COORDINATORS

If you are organizing or coordinating a domestic or international group to attend the Scientific Sessions, we request you make hotel reservations through our approved housing vendor. Those groups that register attendees for the meeting, but do not book housing through ADA's housing department, will need to include an additional registration fee of \$50.00 per person.

To obtain information on group registration and hotel procedures:

Domestic:

Please contact our Domestic Groups Division at: 866-268-0185

International:

Please contact our International Groups Division at:

ADA@internationalgroupsdepartment.com

or visit: www.internationalgroupsdepartment.com

U.S.A — 1111 Kane Concourse, Suite 219

Bay Harbor Islands, FL 33154

Phone: 305-865-4648

Fax: 305-865-4382

Italy — via Macedonia 30/4b

Rome 00179, Italy

Phone: +39-06-90286042

Fax: +39-06-233245675

*Please note, all International Attendees, including those who register via a tour group, must complete the demographic information on the registration form in order to receive a certificate of attendance.

ABSTRACT PRESENTERS REGISTRATION INFORMATION

Individuals who have submitted an abstract or late-breaking abstract will be eligible for the Early Bird rate upon acceptance. If your abstract is accepted, you will be given special instructions for registering online to receive the Early Bird rate. 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 April 24, 2008. No refund will be issued for registrations cancelled after April 24.



Decide To Fight Diabetes

Join the American Diabetes Association's **I Decide To Fight Diabetes™** campaign - it's about becoming a champion for the cause and inspiring people to live healthier lives and make better choices when it comes to managing their diabetes. Show your commitment by getting an **I Decide To Fight Diabetes™** signature charm. Carry it on your key chain, put it on your luggage or wear it on a necklace. It symbolizes your passion to be a champion in the fight against diabetes.

Visit www.diabetes.org/IDecide to purchase your charm and to learn more.

Join ADA Today!

Join the American Diabetes Association today and begin receiving member benefit discounts today.

Visit diabetes.org/membership

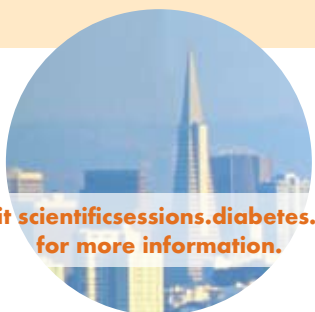
Your ADA Membership benefits include:

- **JOURNALS:**
 Category I: Your choice of *Diabetes*® or *Diabetes Care*®
 Category II: *Diabetes Spectrum*® and *Diabetes Forecast*®
- **REGISTRATION DISCOUNTS** to ADA Scientific Sessions, the Annual Advanced Postgraduate Course, and other professional education activities.
- **ADDITIONAL DISCOUNTS** on other ADA journal subscriptions, books and educational materials for patients.
- **FREE LISTING** in the annual *Professional Section Membership Directory*. In addition to the published version, you have access to the *Online Professional Section Membership Directory*.
- AND MANY MORE MEMBER BENEFITS...

JOIN TODAY when you REGISTER for the 68th Scientific Sessions by checking the appropriate box on the online registration form. If you are an existing member and you want to renew your membership, check the mailing label on the back of the Advance Program for your Member ID.

You must remain an active ADA member through June 1, 2008, to qualify for the member rate.

Visit scientificsessions.diabetes.org for more information.



CITY AND TRAVEL INFORMATION

TOURISM INFORMATION

Visit www.onlyinsanfrancisco.com, the Official Visitors Site for the City of San Francisco. You will find a wealth of information on what to do, where to eat, and where to shop!

VISA REQUIREMENTS

Registrants from outside the United States 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. Consulates in some countries take several months to process applications. For information on obtaining your visa, go to www.unitedstatesvisas.gov or www.dhs.gov/us-visit. For visa purposes, a letter from the convention manager for the 68th Scientific Sessions may be personalized and downloaded from our website under "Request Visa Invitation Letters." The letter will print with the American Diabetes Association letterhead and will include an electronic signature. It should be accepted as an official document. If it is not accepted, please email your request to the American Diabetes Association Convention Operations Department at invitations@diabetes.org or fax it to 703-253-4358. All original letters will be sent via airmail. If you would like the letter expedited, please include an account number for Airborne, DHL or FedEx for billing the shipping expense.



68th scientific sessions

HOTEL INFORMATION

HOTEL RESERVATIONS

Support the American Diabetes Association by booking your hotel room within the Scientific Sessions Housing Block through the official housing vendor, Wyndham Jade. In order to secure meeting and exhibit space necessary for the Scientific Sessions, the American Diabetes Association must book a minimum number of guest rooms in the city and select venues. If that commitment is not met, ADA will have difficulty obtaining sufficient meeting space in the future and will suffer financial penalties. You can help the ADA avoid penalties, and keep your registration fees low, by booking your reservation through the official housing company. Hotel room rates include a rebate to offset busing costs, therefore attendees who book rooms outside of the block are not eligible to ride the ADA shuttle buses.

Hotel reservations are available on a first-come, first-served basis. To ensure assignment to a hotel of your choice, reserve early. All hotels require a deposit

of one night's room and tax for each room to hold your reservations.

For accurate and easy reservations, submit your reservation online at scientificsessions.diabetes.org

HOUSING INSTRUCTIONS

Reserve your hotel room online by May 9, 2008. Online housing reservations are fast, easy and secure. Reserving your room online allows us to send your confirmation letter instantly, and gives us a fast and easy way to contact you via email. Occasional emails will be sent to participants who reserve their rooms online advising of shuttle bus schedules and any last minute changes.

■ **VISIT scientificsessions.diabetes.org** to view the housing options and rates, and to reserve your room.

If you are unable to register online, please visit the Scientific Sessions Web site to download a paper copy of the housing form along with the hotel descriptions and rates, which will include a locator map.

HOTEL CANCELLATIONS AND CHANGES

All requests for changes or cancellations must be made by contacting the ADA official housing company, Wyndham Jade. To receive a full refund of your deposit, cancellations must be received by ADA Housing at least 7 days prior to your arrival.

Questions? ada@wyndhamjade.com or 866-268-0195

CONTACT INFORMATION

Program and Speakers	Maricela Arias-Cantu, MS, MHA	speakers@diabetes.org
Abstracts	Priya Selvakumar	abstracts@diabetes.org
Affiliate Functions and Logistics	Convention Operations	conventionoperations@diabetes.org
Accreditation	Kristine Paschalis, MSW	professionaleducation@diabetes.org
Corporate Symposia	Sharaine Rajack	srajack@diabetes.org
Exhibits	ADA Exhibit Services	exhibits@diabetes.org
Registration/Housing	Wyndham Jade	ada@wyndhamjade.com
	Attendees: 1-866-268-0195 (U.S. Only), 972-349-5433 (International)	
	Exhibitors: 1-866-268-0196 (U.S. Only), 972-349-5434 (International)	

68th SCIENTIFIC SESSIONS CORPORATE SUPPORTED SYMPOSIA AT-A-GLANCE

Pre-Registered attendees will receive an e-mail on or about April 1, which will include directions on registering for the corporate symposia.

FRIDAY, JUNE 6, 2008, 11:30 am - 1:45 pm

CGM in Clinical Practice: The Updates of Training and Reimbursement

Sponsored by VMS Medical

Supported by an unrestricted educational grant from Abbott Diabetes Care

Contact: Hannah Taylor Hilliard, hannah.hilliard@vmsmedical.com

Phone: 317-805-6645 ext. 279 Fax: 317-805-6655

Location: Hilton San Francisco, Continental Ballroom 5-9

This program explores the practical aspects of continuous glucose monitoring (CGM) utilization in clinical practice. Using recent studies and case examples, the program will focus on patient training protocols and current reimbursement issues relevant to CGM. Participants will be provided tools and information that will assist them in the successful initiation and ongoing utilization of CGM in their practices.

FRIDAY, JUNE 6, 2008, 7:00 pm - 11:00 pm

CSI: Taking RAAS Blockade to a New Level- Direct Renin Inhibition and Novel Approaches to Combination Therapy

Sponsored by Consensus Medical Communications

Supported by an unrestricted educational grant from Novartis Pharmaceuticals Corp.

Contact: Nathan Scott, nscott@consensusmedical.com

Phone: 303-662-1144 Fax: 303-662-8877

Location: Hilton San Francisco, Continental Ballroom 5-9

Though numerous therapies are available for hypertension and diabetes, cardiovascular disease remains the leading cause of death in the US, and progression from impaired renal function to dialysis is relentless. CSI: Clinical Science Investigations is a unique format of dynamic interactive dialogue and reviews of cutting-edge data. Utilizing a mix of didactic presentations, case studies, ARS technology, and debate, panelists investigate the latest findings in RAAS inhibition for the treatment of hypertension and nephropathy in diabetes. Discussion of critical issues surrounding advances in ACE/ARB combination therapy and direct renin inhibition in the treatment of CV risk factors will be included.

The Earth-Shaking Pain of DPNP: Management Strategies to Provide Patient Relief

Sponsored by ACCELMED

Supported by an unrestricted educational grant from Eli Lilly and Company

Contact: Alison Kemp, akemp@acclmed.org

Phone: 317-810-0855 Fax: 317-844-3529

Location: InterContinental San Francisco, Grand Ballroom

This activity will begin with a discussion of clinical presentation of DPNP and the appropriate use of clinical evaluation, diagnostic tests, and symptom questionnaires to diagnose DPNP. The expert faculty will provide detailed information on the pathophysiology of DPNP and how it relates to symptoms and targets for treatment. Finally, pharmacological treatments will be evaluated on the basis of efficacy and side effect profiles. Recently published consensus guidelines for DPNP will be highlighted and summarized throughout the activity. At the conclusion of the activity, participants will have the opportunity to ask questions of and interact with the expert faculty.

Moving Towards a Closed-Loop System: Understanding the Science, Overcoming the Barriers, and Exploring the Future of CGM Systems

Sponsored by Medical Communications Media

Supported by an unrestricted educational grant from Medtronic Diabetes

Contact: Paula DiNote

Phone: 267-364-0556 Fax: 267-364-0567

Location: Hilton San Francisco, Continental Ballroom 1-4

The use of CSII and CGM continues to evolve as technology advances and devices become more affordable. Many clinicians still remain unfamiliar with this technology and with the concept of closed-loop systems. Clinicians need continuing education on how to use CSII and CGM to maximize patient outcomes. In addition, as closed-loop systems improve and become more available, care providers should understand how this technology will improve outcomes for patients with diabetes. This program will help bridge gaps in care by educating providers about the clinical benefits associated with CGM and CSII devices and about the closed-loop systems that are on the near horizon.

SATURDAY, JUNE 7, 2008, 5:30 am - 7:45 am

Emerging Data in the Management of Type 2 Diabetes: The Role of Incretin Therapeutics

Sponsored by Vindico Medical Education

Supported by an unrestricted educational grant from Takeda Pharmaceuticals, North America

Contact: Kathy Kennish, kkennish@vindicommed.com

Phone: 856-994-9400 Fax: 856-384-6680

Location: InterContinental San Francisco, Intercontinental Ballroom

Maintaining glycemic control in patients with Type-2 diabetes remains a challenge. Emerging clinical trial data is reshaping the clinicians thinking and approach to the pathophysiology and management of Type-2 diabetes. Incretin based therapies and combination therapies have improved the patient's ability to achieve and maintain targeted A1C goals. An expert faculty will review the current science of incretin hormones as well as the role of incretin based therapies in your daily clinical practice.

Transformation of the Type 2 Diabetes Treatment Algorithm: The Incretin Effect

Sponsored by MediKinetics

Supported by an unrestricted educational grant from Amylin/ Lilly Alliance

Contact: Katie McGowan, kmcgowan@medikinetics.net

Phone: 858-717-2940 Fax: 619-741-6286

Location: InterContinental San Francisco, Grand Ballroom

With more than 50% of diabetes patients on conventional oral medications not achieving treatment goals, this presents an enormous population who desperately need more options. In the last three years, several new drugs have been introduced to the market that have demonstrated impressive glucose lowering capabilities, improved or neutral effects on body weight and limited adverse side effects.

Healthcare professionals involved in treating diabetes need to be able to evaluate the efficacy and safety of available diabetes agents and understand the most advantageous time



68th scientific sessions

in the development of diabetes to introduce these therapies to provide optimal glycemic outcomes for their patients and maximize the overall health benefits of treatment.

The Diabesity Controversies

Sponsored by The Diabetes Consortium

Supported by an unrestricted educational grant from sanofi-aventis

Contact : Barbara Brady

Phone: 973-263-0338 Fax: 973-263-0388

Location: Hilton San Francisco, Continental Ballroom 1-9

This educational session will incorporate all relevant late breaking trial data on obesity and diabetes. We will explore the connection between the physiologic imbalance of the endocannabinoid system and clinical consequences, and depression as a comorbidity of diabesity. The format will be a series of mini-debates with internationally recognized academic experts with interactive audience participation via an automated response system.

SATURDAY, JUNE 7, 2008, 5:30 pm - 9:00 pm

The Amazing Race to Tight Glycemic Control: A Team Approach to Insulin Analog Therapy

Sponsored by International Medical Press

Supported by an unrestricted educational grant from Novo Nordisk, Inc.

Contact: Lisa Amaker

Phone: 404-443-1532 Fax: 404-506-9393

Location: Hilton San Francisco, Continental Ballroom 5-9

Do you find it difficult to treat a patient with type 2 diabetes? This symposium examines several scenarios of patients who may benefit from insulin therapy in order to achieve glycemic targets and explores how to match the right insulin therapy to the right patient given his/her specific clinical parameters and barriers to treatment. Borrowing the theme of the popular television show, this symposium will feature in-depth evidence-based scientific presentations, videos of physician-patient teams discussing treatment challenges, commentary from a psychosocial expert, and an audience-response system. Stay for the Q&A session to hear from a special guest panel member.

Managing Dyslipidemia: The Triglyceride/ High-Density Lipoprotein Axis

Sponsored by Vital Issues in Medicine

Supported by an unrestricted educational grant from Abbott Laboratories

Contact: Shirley Brown, sbrown@vimcme.com

Phone: 215-283-5372 Fax: 215-283-2380

Location: InterContinental San Francisco, Grand Ballroom

This satellite symposium Audio/Poster Tour entitled "Managing Dyslipidemia: The Triglyceride/ High-Density Lipoprotein Axis," will focus on an identified practice gap regarding insufficient treatment of residual risk in patients who have achieved target LDL-C goals but remain at risk for coronary artery disease

because of other risk parameters, in particular triglyceride levels and high-density lipoprotein cholesterol. Content for this activity will help physicians better understand the roles of triglycerides and high-density lipoproteins as independent risk factors for coronary heart disease; better manage lipid levels in high-risk patients using combination therapy; and understand relevant guidelines for assessing and treating dyslipidemia.

Diabetes News Desk: Hot Topics, Current Issues

Sponsored by Voxmedia

Supported by an unrestricted educational grant from BMS/ AstraZeneca

Contact: Sarah Fitzgerald, sfitzgerald@voxmedia.us

Phone: 973-467-0500 Fax: 973-467-1966

Location: Hilton San Francisco, Continental Ballroom 1-4

This program will address the following hot topics and current issues in diabetes management: 1) preventing diabetes and cardiovascular disease in those at risk for diabetes, and preventing cardiovascular disease in people with diabetes, 2) the transition from reporting chronic glycemia with HbA1c to A1C-derived average glucose (ADAG), 3) considerations in utilizing specific combinations of drugs for treating hyperglycemia, and recommendations of strategies for optimal efficacy, safety, and compliance and 4) the role of DPP-4 inhibitors in the management of hyperglycemia. Format will consist of brief presentations, followed by panel discussion and audience-panel exchange.

Advances in the Understanding of Cardiovascular Risk Reduction in Type 2 Diabetes Mellitus- New Approaches and Pathways to Success

Sponsored by Curatio CME Institute

Supported by an unrestricted educational grant from Daiichi Sankyo, Inc

Contact: Barbara Landers, barbara.landiers@curatiocme.com

Phone: 610-363-1619 x 119 Fax: 610-363-7410

Location: InterContinental San Francisco, Intercontinental Ballroom

The clinician needs to understand and target the role of both traditional and non-traditional risk factors in reducing cardiovascular events in patients with type-2 diabetes. Newer therapeutic approaches and combinations of therapies have shown promise in reducing risk for coronary heart disease. By understanding and targeting these pathways and applying new methods to reduce risk, the clinician can improve cardiovascular risk in the patient with type-2 diabetes. This symposium will address these issues through didactic presentations and a case-based presentation, which will foster interaction between the faculty and symposium attendees.

SUNDAY, JUNE 8, 2008, 5:30 am -7:45 am

Multi-Hormonal Treatment Approaches and the Diabetes-Obesity Continuum

Jointly sponsored by MediKinetics

Supported by an unrestricted educational grant from The Amylin/ Lilly Alliance

Contact: Katie McGowan, kmcgowan@medikinetics.net

Phone: 858-717-2940 Fax: 619-741-6286

Location: InterContinental San Francisco, Grand Ballroom

A multi-hormonal treatment approach is already available for people with type-1 and type-2 diabetes. Individualizing therapy using insulin plus a recently approved

pharmacologic adjunct based on the hormone amylin, has shown improvements in postprandial glucose levels, glucose fluctuations, blood pressure, lipids, and body weight, as well as a reduction in insulin dose. Research is currently underway regarding multi-hormonal treatment options for obesity based on current knowledge of the hormones amylin, leptin, PYY and ghrelin, with promising data being generated in early clinical trials using some of these compounds.

Navigating the Storm: Debating Effective Treatment Plans with OADs

Sponsored by ProCom

Supported by an unrestricted educational grant from GlaxoSmithKline

Contact: Michele Mendoza, mmendoza@commonhealth.com

Phone: 973-352-1043 Fax: 973-352-1543

Location: Hilton San Francisco, Continental Ballroom 5-9

A multidisciplinary faculty will discuss and debate five questions pertaining to the current treatment options for type-2 diabetes. The topics will address adverse outcomes and complications related to untreated hyperglycemia, as well as current treatment guidelines for type-2 diabetes. Recent clinical trial data relating to drug safety and efficacy will be analyzed and discussed in order to clarify the risk to benefit ratios of available therapies. The faculty will examine the implications of this data regarding the development of patient treatment plans in the clinical practice setting.

SUNDAY, JUNE 8, 2008, 6:00 pm - 10:00 pm

The Unraveling of Incretin Biology; New Dimensions in the Management of Type 2 Diabetes

Sponsored by SciMed, LLC

Supported by an unrestricted educational grant from Merck & Co., Inc.

Contact: Alison Gale, agale@scimedny.com

Phone: 646-416-5626 Fax: 212-661-8338

Location: Hilton San Francisco, Continental Ballroom 5-9

This symposium will address the latest information regarding the role of incretin-based hormones in the management of patients with type-2 diabetes. Program faculty will deliver three presentations: firstly, recent developments in the understanding of the underlying pathophysiology of type-2 diabetes will be reviewed; second, the role of incretin hormones in islet cell function and glucose homeostasis will be discussed; and finally, emerging strategies for achieving glycemic goals will be addressed. This will be followed by an interactive audience-driven discussion with presenting faculty.

Triolex: A Synthetic Androstene with Antidiabetic and Anti-inflammatory Properties

Sponsored by Hollis-Eden Pharmaceuticals, Inc.

Supported by an unrestricted educational grant from Hollis-Eden Pharmaceuticals, Inc.

Contact: Scott Rieger, srieger@holliseden.com

Phone: 858-587-9333 Fax: 858-558-6470

Location: InterContinental San Francisco, Grand Ballroom

Insulin resistance (IR) is characterized by a state of low-grade, chronic inflammation with increased expression of proinflammatory mediators (e.g. TNF ,

IL-6, IL-1 β and MCP-1) in white adipose tissue (WAT). Recent studies have shown that WAT from obese animals or humans exhibits significant infiltration with macrophages. These cells appear to be primarily responsible for producing proinflammatory molecules, suggesting that they play an important role in obesity/ IR-related inflammation. This corporate symposium will focus on a novel anti-inflammatory synthetic steroid and its use to improve insulin sensitivity.

From Inpatient to Outpatient: Meeting the Goals of Therapy in Hyperglycemia and Diabetes

Sponsored by The Exeter Group

Supported by an unrestricted educational grant from sanofi-aventis

Contact: Carol Ann Goode, carol.goode@exeter-group.com

Phone: 212-644-1017 Fax: 212-644-6762

Location: Hilton San Francisco, Grand Ballroom A/B

This interactive symposium will explore means of improving patient outcomes in hyperglycemia and type-2 diabetes mellitus (T2DM). Using a case-based approach, different means of managing hyperglycemia/ T2DM will be explored according to the specifics of clinical context: within the ICU, on transfer to the ward, and upon discharge. The program will consider how out-patient adherence, whether with lifestyle modification or drug therapy, can be enhanced and, should HbA1c goal not be attained on diet, exercise, and metformin alone, how patients should be advanced to combination oral hypoglycemic therapy, to basal insulin, or to "basal plus" therapy.

Emerging Concepts in Diabetes Pathogenesis and Therapy

Sponsored by education\outcomes\science

Supported by unrestricted educational grants from Bristol-Myers Squibb

Contact: Veronica Velez, vvelez@health-ny.com

Phone: 212-849-7830 Fax: 646-304-8769

Location: InterContinental San Francisco, Intercontinental Ballroom

This symposium proposes 2 hours of education comprised of didactic lectures and audience questions. Leading endocrinologists will serve as speakers and facilitate audience participation. This educational design supports peer-to-peer learning, sharing of clinical insight, challenges/controversies in treatment, and finally best practices to ensure that physicians are apprised of the latest advances in diabetes management.



Visit scientificsessions.diabetes.org
for more information.



68th scientific sessions

MONDAY, JUNE 9, 2008, 5:30 am - 7:45 am

Limitations of Single-Marker Detection of Diabetes Risk: Approaches to Enhancing the Predictive Value Resulting from a Unique Biomarker Panel to Assess an Individual's Absolute Risk of Diabetes

Sponsored by Tethys Bioscience, Inc.

Supported by an unrestricted educational grant from Tethys Bioscience, Inc.

Contact: Drew Johnson, djohnson@tethysbio.com

Phone: 202-746-1500 Fax: 510-450-0675

Location: Hilton San Francisco, Continental Ballroom 5-9

Diabetes is a large, growing and progressive disease. Effective long term interventions, whether treatment or prevention, need to be developed and evaluated to determine their ability to slow or halt disease progression. This paradigm shift will require development of clinical tools that can be used to monitor disease progression and the impact of treatment. This program is designed to establish the need for better tools to identify those subjects at increased risk of developing diabetes and define the selection criteria for the optimal clinical tool.

From Surrogate Markers to Clinical Outcomes: Addressing the Controversies in Cardiovascular Risk Management

Sponsored by Strategic Consultants International

Supported by an unrestricted educational grant from Takeda Pharmaceuticals, North America

Contact: Ailsa Stewart, astewart@strategic-consultants.co.uk

Phone: 011-44-1442-210134 Fax: 011-44-1442-210169

Location: InterContinental San Francisco, Grand Ballroom

Treatment targets exist for hyperglycemia, dyslipidemia and hypertension, these are modifiable risk factors yet less than 10% of the diabetes population meet the targets. Surrogate markers, biological (HbA1c, BP, LDL/HDL/triglycerides) and imaging (CIMT, IVUS), are used in clinical trials and clinical practice to assess the impact of therapy on such risk factors. This CME/CE-certified symposium will advance attendees understanding of how studies of surrogate markers should be interpreted and their relationship with clinical outcomes.

MONDAY, JUNE 9, 2008, 6:00 pm - 10:00 pm

Targeting the Interplay of Obesity, Insulin Resistance, and Mixed Dyslipidemia: Global Cardiovascular Risk Reduction

Sponsored by SciMed, LLC

Supported by an unrestricted educational grant from Merck & Co., Inc.

Contact: Cheryl Brodsky, cbrodsky@scimedny.com

Phone: 646-416-5163 Fax: 646-873-5568

Location: Hilton San Francisco, Continental Ballroom 5-9

Mixed dyslipidemia is strongly associated with obesity, particularly in the presence of insulin resistance. A state of adiposity and insulin dysregulation is correlated with physiologic abnormalities in lipoprotein metabolism. These abnormalities include the increased production of very low-density lipoprotein triglycerides, impaired lipoprotein lipase activity, and a decrease in cholesterol efflux to high-density lipoproteins (HDL) that result in reduced HDL-C. Modest weight reduction has demonstrated significant improvements in lipid parameters as well as glycemic control. The long-term management of obesity and dyslipidemia, prevalent in patients with insulin resistance or glucose intolerance, is essential to the reduction of cardiovascular disease risk.

Incretin-based Therapies Play a Novel Role in the Treatment of Type 2 Diabetes

Sponsored by International Medical Press

Supported by an unrestricted educational grant from Novo Nordisk, Inc.

Contact: Lisa Amaker, lisa.amaker@intmedpress.com

Phone: 404-443-1532 Fax: 404-506-9393

Location: InterContinental San Francisco, Grand Ballroom

Many conventional therapies for type-2 diabetes address only one aspect of the underlying pathophysiology and are associated with hypoglycemia and weight gain. Incretin-based therapies address unmet clinical needs by targeting multiple metabolic defects with a low risk of hypoglycemia and the ability to promote weight loss. Incretin-based therapies also may affect the pathophysiology of the disease. Through a unique format featuring "news segment" videos highlighting key data, audience response system participation, and lectures, this activity will deliver to healthcare providers the latest breaking information on the evolving field of incretin-based therapies.



New books from the American Diabetes Association

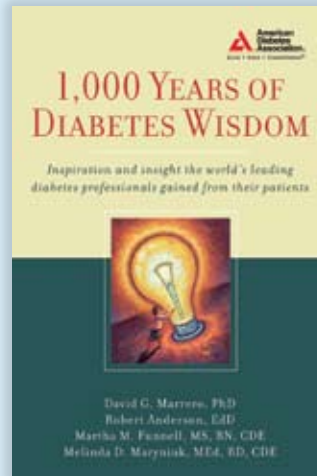
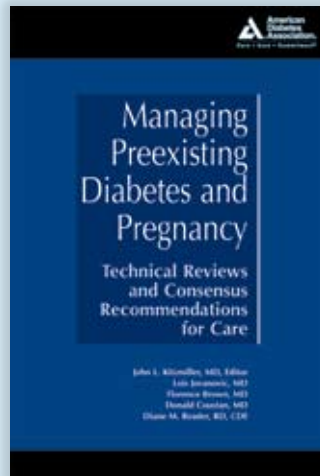
Visit our Onsite Bookstore
Offering **25% off** All Our Publications

Available June 2008:
Managing Preexisting Diabetes and Pregnancy
Technical Reviews and Consensus Recommendations for Care

JOHN L. KITZMILLER, MD, EDITOR
LOIS JOVANOVIC, MD
FLORENCE BROWN, MD
DONALD COUSTAN, MD
DIANE M. READER, RD, CDE

#5434-01

One Low Price: \$79.95



New!
1,000 Years of Diabetes Wisdom

Inspiration and insight the world's leading diabetes professionals gained from their patients

DAVID G. MARRERO, PHD;
BOB ANDERSON, EDD;
MARTHA FUNNELL, MS, RN, CDE;
MELINDA MARYNIUK, MED, RD, CDE

#5435-01

Nonmember: \$19.95
Member: \$15.95

ADA books and journals educate health professionals on the most current approaches for patient care and for achieving the best patient outcomes.



*25 % OFF NON-MEMBER PRICE DURING 2008 SCI SESSIONS

The Advance Program is supported by an unrestricted educational grant from



Bristol-Myers Squibb



For more information please contact:

American Diabetes Association

1701 North Beauregard Street

Alexandria, VA 22311

Phone: 800-DIABETES

Fax: 703-253-4878

E-Mail: conventionoperations@diabetes.org

Web Site: scientificsessions.diabetes.org

68th scientific sessions

JUNE 6-10, 2008 • SAN FRANCISCO, CA

