THE OHIO STATE UNIVERSITY MEDICAL CENTER’S DIABETES RESEARCH CENTER PRESENTS

The 2nd Global Diabetes Summit
New Horizons in Diabetes: Genetics to Personalized Health Care

November 14-17, 2012
The Ohio State University
Ohio Union
1730 N. High St.
Columbus, OH
USA

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To register, or for more information on Ohio State’s Diabetes Research Center’s Global Summit, visit diabetesresearch.osu.edu.
Agenda

PRE-CONFERENCE DAY: NOVEMBER 14

6 – 9 p.m. Welcome reception for all attendees

DAY 1: NOVEMBER 15

7 – 9 a.m. Registration

8 a.m. Opening Remarks
Kwame Osei, MD, FACE, FACP
Ralph W. Kurtz Chair in Hormonology
Director, OSU Diabetes Research Center
Professor, Medicine and Exercise Physiology
The Ohio State University (Columbus, Ohio, USA)

8:10 a.m. Steven G. Gabbe, MD
Chief Executive Officer, The Ohio State University Medical Center
Senior Vice President for Health Sciences
The Ohio State University (Columbus, Ohio, USA)

8:15 a.m. Jean–Claude Mbanya, MD, PhD
President, International Diabetes Federation
Professor of Medicine and Endocrinology
Director, National Obesity Centre
University of Yaounde I (Cameroon, Africa)

8:20 a.m. Vivian Fonseca, MD, FRCP
President, American Diabetes Association
Professor of Medicine
Tullis-Tulane Alumni Chair in Diabetes
Chief, Endocrinology
Tulane University (New Orleans, La., USA)

8:25 a.m. Aaron Kowalski, PhD
Assistant Vice President, Glucose Control Research Juvenile Diabetes Research Foundation (New York, N.Y., USA)
8:30 – 10 a.m. **Plenary Session I**  
*Moderator: Griffin Rodgers, MD, MBA, MACP*  
Director, National Diabetes and Digestive Kidney Diseases  
National Institutes of Health  
Chief of Molecular and Clinical Hematology  
NHLBI Intramural Research Program (Bethesda, Md., USA)  
**Keynote Speakers:**

- 8:35 – 9:20 a.m. *Global Pandemic of Obesity and Diabetes in Adults – Epidemiological Solutions and Challenges*  
  Jean–Claude Mbanya, MD, PhD

- 9:20 – 10:05 a.m. *Genomics and Diabetes: Implications of Personalized Health*  
  Griffin Rodgers, MD, MBA, MACP

10:05 – 10:15 a.m. BREAK

10:15 a.m. – 12 p.m. **Symposium A: Evidence-Based, Personalized and Lifestyle Approaches to Diabetes**  
*Moderator: Samuel Dagogo-Jack, MD, FACE*  
A.C. Mullins Endowed Chair in Translational Research  
Director, Division of Endocrinology, Diabetes and Metabolism  
Director, General Clinical Research Center  
University of Tennessee (Memphis, Tenn., USA)

- 10:15 – 10:45 a.m. *Look Ahead: Comprehensive Understanding of Management of Type 2 Diabetes in Multi-Ethnic Populations*  
  Samuel Dagogo–Jack, MD, FACE

- 10:45 – 11:15 a.m. *Lifestyle and Diabetes in China*  
  Jainping Weng, MD  
  President, Chinese Diabetes Society  
  Professor, Third Affiliated Hospital of Sun Yat-sen University (Canton, China)

- 11:15 – 11:45 a.m. *The U.S. National Diabetes Prevention Program: Implementing What We Have Learned from Research*  
  Ann Albright, PhD, RD  
  Director, Division of Diabetes Translation  
  Centers for Disease Control and Prevention (Atlanta, Ga., USA)

- 11:45 a.m. – 12 p.m. **Panel Discussion**  
  Samuel Dagogo-Jack, MD, FACE  
  Jainping Weng, MD  
  Ann Albright, PhD, RD

12 – 1 p.m. LUNCH BREAK and blogging in Senate Room
1 – 1:35 p.m. Plenary Session II
Moderator: Vivian Fonseca, MD, FRCP
Legacy Effects of Cardiovascular Outcome Studies: Metabolic Memory – UKPDS to ACCORD

Rury Holman, MD, FRCP
Professor of Diabetic Medicine
Churchill Hospital
Oxford University (Oxford, United Kingdom)

1:35 – 1:45 p.m. BREAK

1:45 – 3:45 p.m. Symposium B: Pharmacology and Type 2 Diabetes

1:45 – 2:15 p.m. The Era of TZDs, DPP-IV Inhibitors and GLP-1 Analogs
Ralph DeFronzo, MD
Professor of Medicine
Chief, Diabetes Division
University of Texas Health Science Center
Audie L. Murphy Memorial Veterans Affairs Hospital (San Antonio, Texas, USA)

2:15 – 2:45 p.m. Initial Combination Therapy for Type 2 Diabetes: Is it Ready for Prime Care?
Bernard Zinman, MDCM, FRCP, FACP
Director, Leadership Sinai Centre for Diabetes
Sam and Judy Pencer Family Chair in Diabetes Research
Mount Sinai Hospital, University of Toronto (Toronto, Canada)

2:45 – 3:15 p.m. Future Oral Anti-Diabetic Medications on the Horizon: Promises and Pitfalls
Vivian Fonseca, MD, FRCP

3:15 – 3:45 p.m. Personalized Care and Pharmacogenetics of Diabetes
Soren Snitker, MD, PhD
Associate Professor, College of Medicine
University of Maryland (College Park, Md., USA)

3:45 – 4 p.m. BREAK

4 – 5 p.m. Concurrent Workshops 1

Workshop 1A: Tissue Therapies and Biologics in Diabetes
Moderator: Sashwati Roy, PhD
Associate Professor, Department of Surgery
The Ohio State University (Columbus, Ohio, USA)

4 – 4:25 p.m. Biochemistry of Wound Healing: Role of Antioxidants
Chandan Sen, PhD, FACSM, FACN
Director, OSU Comprehensive Wound Center
The Ohio State University (Columbus, Ohio, USA)
4:25 – 4:50 p.m. Cellular and Cytokine Profile for Wound Healing  
Sashwati Roy PhD

4:50 – 5 p.m. Panel Discussion  
Sashwati Roy PhD  
Chandan Sen, PhD, FACSM, FACN

4 – 5 p.m. Workshop 1B: Cellular Therapies of Diabetes  
Moderator: Elizabeth Essig, MD

4 – 4:25 p.m. Lessons from International Pancreas Transplantation Registry  
Amer Rajab, MD, PhD  
Director, Pancreas and Islet Transplant  
OSU Comprehensive Transplant Center  
The Ohio State University (Columbus, Ohio, USA)

4:25 – 4:50 p.m. Lessons From Islet Cell Transplantation Registry  
Rodolfo Alejandro, MD  
Director, Clinical Islet Transplantation and Metabolic Studies Core Diabetes Research Institute  
Professor of Medicine  
University of Miami Miller School of Medicine (Miami, Fla., USA)

4:50 – 5 p.m. Panel Discussion

4 – 5 p.m. Workshop 1C: Understanding the Effect of Cost-Sharing Access to, and Utilization of, Diabetes Self-Management and Training  
Moderator: Sandra Burke, PhD, CDE, FAADE

Community Tour
DAY 2: NOVEMBER 16

7:30 – 8 a.m. Registration

8 – 9:30 a.m. **Plenary Session III**  
*Moderator: Jean-Claude Mbanya, MD, PhD*

8 – 8:45 a.m. **Advances in Health Disparities Genetics Research**  
**Charles Rotimi, PhD**  
Director, Center for Research on Genomics and Global Health  
Senior Investigator for the Inherited Disease Research Branch  
National Institutes of Health (Bethesda, Md., USA)

8:45 – 9:30 a.m. **Personalized Care and Diabetes: The Role of Pharmacogenetics**  
**Ewan Pearson, MD**  
Senior Lecturer  
University of Dundee  
Honorary Consultant in Diabetes and Endocrinology  
Ninewells Hospital and Medical School (United Kingdom)

9:30 – 9:45 a.m. BREAK

9:45 a.m. – 12 p.m. **Concurrent Symposia C1 and C2**

**Symposium C1: Immunology of Type 1 Diabetes**  
*Moderator: Irl Hirsh, MD*  
Professor of Medicine  
Division of Metabolism, Endocrinology and Nutrition  
University of Washington (Seattle, Wash., USA)

9:45 – 10:30 a.m. **Non-Classic Forms of Autoimmune and Non-Autoimmune Diabetes**  
**Irl Hirsh, MD**

10:30 – 11:15 a.m. **Can Type 1 Diabetes Be Prevented?**  
**Jay Skyler, MD, MACP**  
Associate Director for Academic Programs  
Diabetes Research Institute  
Professor of Medicine, Pediatrics and Psychology  
University of Miami Miller School of Medicine (Miami, Fla., USA)

11:15 a.m. – 12 p.m. **Type 1 Diabetes – New Immunological Approaches to Preserve Beta Cell Function**  
**Kevan Herold, MD**  
Professor of Immunobiology and Medicine  
Deputy Director for Translational Science  
Yale University (New Haven, Conn., USA)
9:45 a.m. - 12 p.m. **Symposia C2:** New Technologies and Diabetes  
**Moderator:** Richard Bergenstal, MD  
Immediate Past President, American Diabetes Association  
Executive Director, International Diabetes Center at Park Nicollet (Minneapolis, Minn., USA)

9:45 – 10:30 a.m. **Glucose Sensors – JDRF Report**  
William Tamborlane, MD  
Chief, Pediatric Endocrinology  
Deputy Director, Yale Center for Clinical Investigation  
Yale University (New Haven, Conn., USA)

10:30 – 11:15 a.m. **Augmented Sensor Insulin Pumps**  
Richard Bergenstal, MD

11:15 a.m. – 12 p.m. **Closing the Loop**  
Aaron Kowalski, PhD

12 – 1 p.m. **LUNCH BREAK** and blogging in Senate Room

1 – 1:45 p.m. **Plenary Session IV:** International Diabetes Forum  
**Moderator:** Ayesha Motala, MB, ChB  
Head, Department of Endocrinology  
Nelson R. Mandela School of Medicine  
University of KwaZulu-Natal (Durban, South Africa)  
The Future Horizon of Global Diabetes and Obesity in Developing Countries

Naomi Levitt, MB, ChB, MD  
Head, Division of Diabetic Medicine and Endocrinology  
Groote Schuur Hospital  
University of Cape Town (Cape Town, South Africa)

1:45 – 2 p.m. **BREAK**

2 – 3:30 p.m. **Concurrent Workshops 2**

**Workshop 2A:** Diabetes in Special Populations - Blacks and West Indians  
**Moderator:** Albert Amoah, MB, ChB, FRCP (Ghana)

2 - 2:30 p.m. **Metabolic Syndrome and Diabetes in West Indies**  
Michael Boyne, MB, ChB, FRCPC  
Senior Lecturer  
Tropical Medicine Research Institute  
University of West Indies (Jamaica, West Indies)

2:30 - 3 p.m. **Metabolic Syndrome and Diabetes in South African Blacks**  
Ayesha Motala, MB, ChB
3 – 3:30 p.m. Panel Discussion  
Albert Amoah, MB, CHB, FRCP  
Michael Boyne, MB, ChB, FRCPC  
Ayesha Motala, MB, ChB

2 – 3:30 p.m. Workshop 2B: Diabetes in Special Populations - Continental East Asians

2 - 2:30 p.m. Pathophysiology of Type 2 Diabetes in Asian Indians  
V. Mohan, MB, ChB, FRCP  
Chairman and Chief Diabetologist  
Diabetes Specialties Centre  
WHO Collaborating Centre for Noncommunicable Diseases  
Director and Chief, Diabetes Research  
Madras Diabetes Research Foundation (Chennai, India)

2:30 - 3 p.m. Prevention of Diabetes in India (IDPP 1 and 2)  
Shashank R. Joshi, MD, FACE, FRCP  
President, Research Society of Study of Diabetes in India and Indian Academy of Diabetes (Mumbai, India)

3 – 3:30 p.m. Panel Discussion  
V. Mohan, MB, ChB, FRCP  
Shashank R. Joshi, MD, FACE, FRCP

2 – 3:30 p.m. Workshop 2C: Diabetes in Special Populations - Diabetes in Latinos  
Moderator: Enrique Caballero, MD  
Joslin Diabetes Center  
Harvard Medical School (Boston, Mass., USA)

2 – 2:30 p.m. Diabetes in Latinos: Impact of Immigration and Culture  
Jaime Davidson, MD, FACE, FACP  
Clinical Professor of Medicine  
Division of Endocrinology, Diabetes and Metabolism  
Touchstone Diabetes Center, University of Texas, Southwestern Medical School  
President, WorldWIDE Diabetes (Dallas, Texas, USA)

2:30 – 3 p.m. Ethnic Differences Diabetes in Subpopulations of Latinos  
Guillermo Umpierrez, MD  
Director, Diabetes Clinic and the Diabetes and Endocrinology Section, Grady Health Systems  
Associate Director, General Clinical Research Center  
Emory University School of Medicine (Atlanta, Ga., USA)

3 – 3:30 p.m. Panel Discussion  
Enrique Caballero, MD  
Jaime Davidson, MD, FACE, FACP  
Guillermo Umpierrez, MD
2 – 3:30 p.m. **Workshop 2D:** Ethnicity and Personalized Health Care - Diabetes in Women  
*Moderator:* Rebecca Jackson, MD  
Associate Dean, Clinical Research  
Professor, Endocrinology, Diabetes and Metabolism  
The Ohio State University (Columbus, Ohio, USA)

2 – 2:30 p.m. Diabetes in Postmenopausal Women - The Women's Health Initiative  
*Barbara Howard, PhD*  
Professor of Medicine, Georgetown University School of Medicine  
Senior Scientist, MedStar Health Research Institute (Hyattsville, Md., USA)

2:30 – 3 p.m. Ethnic Differences in Metabolic Syndrome in Minority Women  
*Maria Rosario Araneta, PhD*  
Associate Professor of Family and Preventive Medicine  
University of Southern California (San Diego, Calif., USA)

3 – 3:30 p.m. Panel Discussion  
Rebecca Jackson, MD  
Barbara Howard, PhD  
Maria Rosario Araneta, PhD

3:30 – 3:45 p.m. BREAK

3:45 – 5:30 p.m. **Symposium D:** Diabetes and Youth  
*Moderator:* David Repaske, MD, PhD  
Director of Pediatric Endocrinology  
Nationwide Children’s Hospital (Columbus, Ohio, USA)

3:45 – 4:15 p.m. Obesity, Youth and Diabetes (DiaObesity)  
*Francine Kaufman, MD*  
Head, Center for Diabetes, Endocrinology and Metabolism  
Children’s Hospital Los Angeles (Los Angeles, Calif., USA)

4:15 – 4:45 p.m. Metabolic Syndrome and Obese Youth  
*Sonia Caprio, MD*  
Professor of Pediatrics (Endocrinology)  
Yale University (New Haven, Conn., USA)

4:45 – 5:15 p.m. Pathogenesis of Type 2 Diabetes in Youth: Importance of Ethnicity  
*Silva Arslanian, MD*  
Director, General Clinical Research Center  
UPMC Richard L. Day Endowed Chair in Pediatrics  
Professor of Pediatrics, University of Pittsburgh (Pittsburgh, Pa., USA)
5:15 – 5:30 p.m. Panel Discussion
Dara Schuster, MD
Silva Arslanian, MD
Sonia Caprio, MD
Francine Kaufman, MD

6 – 8 p.m. RECEPTION AND DINNER
DAY 3: NOVEMBER 17

7:30 - 8 a.m. Registration

8 a.m. - 12 p.m. Concurrent Plenary Sessions

Plenary V: Diabetes and Pregnancy
Moderators: Mark B. Landon, MD
Chair, Obstetrics and Gynecology
The Ohio State University (Columbus, Ohio, USA)

Steven G. Gabbe, MD
Chief Executive Officer, The Ohio State University Medical Center
Senior Vice President for Health Sciences
The Ohio State University (Columbus, Ohio, USA)

Celeste Durnwald, MD
Assistant Professor, Maternal Fetal Medicine Department of Obstetrics and Gynecology
University of Pennsylvania School of Medicine (Phila., Penn, USA)

8 - 8:45 a.m. Historical and Future Perspectives of New Guidelines in GDM: Would it Change Materno-Fetal Outcomes?
Donald R Coustan, MD
Professor of Obstetrics and Gynecology, Warren Alpert Medical School of Brown University
Attending Maternal/Fetal Medicine Specialist, Women and Infants Hospital of Rhode Island (Providence, Rhode Island, USA)

8:45 – 9:30 a.m. Diabetes in Pregnancy: Controversies Surrounding GDM
Mark B. Landon, MD

9:30 – 10:15 a.m. Pathophysiology of Diabetes in Pregnancy: Lessons from TRIPOD and PIPOD
Thomas Buchanan, MD
Associate Dean, Clinical Research
Program Director, General Clinical Research Center
Chief, Division of Endocrinology and Diabetes
Keck School of Medicine, University of Southern California (Los Angeles, Calif., USA)

10:15 - 10:30 a.m. BREAK

10:30 – 11 a.m. Selection of Insulin Therapy in Pregnancy on Fetal Outcomes: Fiction or Reality?
Lois Jovanovic, MD, MACE
CEO & Chief Scientific Officer, Sansum Research Institute (Santa Barbara, Calif., USA)

11 – 11:30 a.m. Oral Agents and Pregnancy Outcome
Celeste Durnwald, MD
11:30 a.m. – 11:45 a.m. Panel Discussion
Mark B. Landon, MD
Donald R Coustan, MD
Thomas Buchanan, MD
Lois Jovanovic, MD, MACE
Celeste Durnwald, MD
Steven G. Gabbe, MD

8 a.m. - 12 p.m. Concurrent Plenary Session cont.

Plenary Session VI: Lessons from Legacy Studies in Diabetes Prevention Trials
Moderator: Jaakko Tuomilehto MD, PhD
Professor of Public Health, University of Helsinki
Past President, International Diabetes Epidemiology Group (Helsinki, Finland)

8 - 8:45 a.m. Finnish Diabetes Prevention Study - 20 Years Legacy Study in Finland
Jaakko Tuomilehto MD, PhD

8:45 -9:30 a.m. Da Qing Diabetes Prevention Study - 23 Years Legacy Study in China
Jianping Weng, MD

9:30 -10:15 a.m. US Diabetes Prevention Program - 5 Years Legacy Study in US
Enrique Caballerro, MD

10:15 - 10:30 a.m. BREAK

10:30-11:15 a.m. Prevention of Diabetes in India Through Community Empowerment - Successful Case Studies
V. Mohan, MB, ChB, FRCP

11:15-11:30 a.m. Diabetes Prevention Trials: Perspectives of IDF
Jean-Claude Mbanya, MD, PhD

11:30 -11:45 a.m. Panel Discussion
Jaakko Tuomilehto MD, PhD
Jianping Weng, MD
Enrique Caballerro, MD
V. Mohan, MB, ChB, FRCP
Jean-Claude Mbanya, MD, PhD

11:45 a.m. Closing Comments and Adjournment
Steven G. Gabbe, MD

12 p.m. ADJOURNMENT
ACCREDITATION STATEMENT
The Ohio State University Medical Center, Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

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