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.
Contact:

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To register, or for more information on Ohio State’s Diabetes Research Center’s Global Summit, visit www.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
  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 J. Kowalski, PhD
  Assistant Vice President, Glucose Control Research
  Juvenile Diabetes Research Foundation (New York, N.Y., USA)
8:30 – 10:10 a.m.  
**Plenary Session I**

*Moderator: Griffin Rogers, 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  
President, International Diabetes Federation  
Professor of Medicine and Endocrinology  
Director, National Obesity Centre  
University of Yaounde I (Cameroon, Africa)

9:20 – 10:05 a.m.  **Genomics and Diabetes: Implications of Personalized Health**  
Francis Collins, MD, PhD  
Director, National Institutes of Health (Bethesda, Md., USA)

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 (USA)*  
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: Is It the Pathway for Managing Patients With Type 2 Diabetes?**  
Samuel Dagogo-Jack, MD, FACE

10:45 – 11:15 a.m.  **Lifestyle and Exercise in Diabetes Prevention: Follow-up of Finnish Diabetes Prevention Study**  
Jaakko Tuomilehto, MD, PhD  
Professor of Public Health, University of Helsinki  
Past President, International Diabetes Epidemiology Group (Helsinki, Finland)

11:15 – 11:45 a.m.  **Diabetes Prevention Program – What Did We Learn?**  
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  
Jaakko Tuomilehto, MD, PhD  
Ann Albright, PhD, RD
12 p.m. – 1 p.m.  LUNCH BREAK and Blogging in Senate Room

1 - 1:45 p.m.  Plenary Session II  
Moderator: Vivian Fonseca, MD, FRCP (USA)

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)

1:45 – 2:30 p.m.  Concurrent Workshops A: Genetics and Therapies  
Workshop A1: Pharmacology of Type 2 Diabetes: The Era of TZDs, DPP-IV Inhibitors and GLP-1 Analogs  
Ralph DeFronzo, MD  
Professor of Medicine  
University of Texas Health Science Center  
Chief of Diabetes Division  
Audie L. Murphy Memorial Veterans Affairs Hospital (San Antonio, Texas, USA)

Workshop A2: Insulin Analogues on the Horizon: Now and the Future  
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)

Workshop A3: Future Oral Anti-Diabetic Medications on the Horizon: Promises and Pitfalls  
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)

Workshop A4: Personalized Care and Pharmacogenetics of Diabetes  
Soren Snitker, MD, PhD  
Associate Professor, College of Medicine  
University of Maryland (College Park, Md., USA)

2:30 – 2:40 p.m.  BREAK

2:40 – 4:45 p.m.  Concurrent Workshops B: Tissue Therapies and Biologics in Diabetes  
Workshop B1: Biochemistry of Wound Healing  
Moderator: Sashwati Roy, PhD (USA)

2:45 – 3:30 p.m.  Biochemistry of Wound Healing: Role of Antioxidants  
Chanden Sen, PhD, FACSM, FACN  
Director, OSU Comprehensive Wound Center  
The Ohio State University (Columbus, Ohio, USA)
3:30 – 4:15 p.m.  Cellular and Cytokine Profile for Wound Healing
Sashwati Roy PhD
Associate Professor, Department of Surgery
The Ohio State University (Columbus, Ohio, USA)

4:15 – 4:45 p.m.  Panel Discussion
Workshop B2: Cellular Therapies of Diabetes
Moderator: Elizabeth Essig, MD (USA)

2:45 – 3:30 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)

3:30 – 4:15 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)

4:15 – 4:45 p.m.  Panel Discussion

Community Tour

DAY 2: NOVEMBER 16

8 – 9:30 a.m.  Plenary Session III
Moderator: 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 – 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 B1 and B2
Symposium B1: Immunology of Type 1 Diabetes
Moderator: Irl Hirsh, MD (USA)
Professor of Medicine
Division of Metabolism, Endocrinology and Nutrition
University of Washington (Seattle, Wash., USA)

9:45 – 10:30 a.m. Symposium B1A: Genetics and Immunological Basis of Type 1 Diabetes
Irl Hirsh, MD

10:30 – 11:15 a.m. Symposium B1B: Prevention of Type 1 Diabetes: Lessons from DPP 1
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 – 11:50 a.m. Symposium B1C: 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. Symposium B2: New Technologies and Diabetes
Moderator: Richard Bergenstal, MD (USA)
Immediate Past President, American Diabetes Association
Executive Director, International Diabetes Center at Park Nicollet (Minneapolis, Minn., USA)

9:45 – 10:30 a.m. Symposium B2A: 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. Symposium B2B: Augmented Sensor Insulin Pumps
Richard Bergenstal, MD

11:15 – 11:50 a.m. Symposium B2C: Closing the Loop
Aaron Kowalski, PhD
Assistant Vice President, Glucose Control Research
Juvenile Diabetes Research Foundation (New York, N.Y., USA)

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 (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 C: Diabetes in Special Populations**  
**Workshop C1: 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  
Head, Department of Endocrinology  
Nelson R. Mandela School of Medicine  
University of KwaZulu-Natal (Durban, South Africa)

3 - 3:30 p.m.  
**Panel Discussion**  
Albert Amoah, MB, CHB, FRCP  
Michael Boyne, MB, ChB, FRCPC  
Ayesha Motala, MB, ChB

Workshop C2: 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  
Dr. Mohan’s Diabetes Specialties Centre  
WHO Collaborating Centre for Noncommunicable Diseases  
Director and Chief of Diabetes Research  
Madras Diabetes Research Foundation (Chennai, India)

2:30 - 3 p.m.  
Prevention of Diabetes in India (IDPP 1 and 2)  
Ambardy Ramanchandran, MD, PhD, DSc  
Director, Diabetes Research Center  
M.V. Hospital for Diabetes  
WHO Collaborating Centre for Research, Education and Training in Diabetes (India)
3 – 3:30 p.m.  Panel discussion
V. Mohan, MB, ChB, FRCP
Ambardy Ramanchandran, MD, PhD, DSc

Workshop C3: Diabetes in Special Populations: Diabetes in Latinos
Moderator: Enrique Caballero, MD (USA)

2 – 2:30 p.m.  Diabetes in Latinos: Impact of Immigration and Culture
Jaime Davidson, MD, FACE, FACP
Clinical Professor of Internal Medicine
University of Texas Southwestern Medical School
Past President of Endocrine & Diabetes Associates of Texas (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

Workshop C4: Ethnicity and Personalized Health Care: Diabetes in Women
Moderator: Rebecca Jackson, MD (USA)
Associate Dean, Clinical Research
Professor, Endocrinology, Diabetes and Metabolism
The Ohio State University (Columbus, Ohio, USA)

2 – 2:30 p.m.  Metabolic Syndrome and Diabetes: Lessons from Women Health Initiative (WHI)
Barbara Howard, PhD
President, MedStar Research Institute (Hyattsville, Md., USA)

2:30 – 3 p.m.  Ethnic Differences in Metabolic Syndrome in Minority Women
Arietta Rosario, PhD (USA)

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

3:30 – 3:45 p.m.  BREAK

3:45 – 5:30 p.m.  Symposium on Diabetes and Youth
Moderator: David Repaske, MD, PhD (USA)
3:45 – 4:15 p.m.  **Obesity, Youth and Diabetes (Dia Obesity)**
Francine Kauffman, 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 Arslarian, MD  
USA

5:15 – 5:30 p.m.  **Panel Discussion**
Dara Schuster, MD  
Silva Aslarian, MD  
Sonia Caprio, MD  
Francine Kauffman, MD

6 – 8 p.m.  Reception and Dinner

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**DAY 3: NOVEMBER 17**

7:30 a.m. – 12 p.m.  **Diabetes and Pregnancy**
*Moderator:* Mark Landon, MD  
(USA)

8 - 8:45 a.m.  **Plenary Session V: Historical and Future Perspectives of New Guidelines in GDM: Would it Change Materno-Fetal Outcomes?**
Boyd Metzger, MD  
Professor of Metabolism and Nutrition  
Division of Endocrinology, Metabolism & Molecular Medicine  
Northwestern University Feinberg School of Medicine (Chicago, Ill., USA)

9 a.m. – 12 p.m.  **Symposium on Diabetes in Pregnancy**
*Moderators:* Steven G. Gabbe, MD and Celeste Durnwald, MD

9 – 9:45 a.m.  **Diabetes in Pregnancy: Screening for DGM; Why the Controversy?**
Mark Landon, MD  
Chair, Obstetrics and Gynecology  
The Ohio State University (Columbus, Ohio, USA)

9:45 – 10 a.m.  **BREAK**

10 – 10:45 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)
10:45 – 11:15 a.m.  
Selection of Insulin Therapy in Pregnancy on Fetal Outcomes: Fiction or Reality?  
Lois Jovanovic, MD  
Director, Sansum Research Institute (Santa Barbara, Calif., USA)

11:15 – 11:45 a.m.  
Oral Agents and Pregnancy Outcome  
Celeste Durnwald, MD  
Assistant Professor, The Ohio State University (Columbus, Ohio, USA)  
Obstetrics and Gynecology

11:45 a.m. – 12 p.m.  
Panel Discussion  
Mark Landon, MD  
Thomas Buchanan, MD  
Lois Jovanovic, MD  
Celeste Durnwald, MD  
Steven G. Gabbe, MD

12 p.m.  
Closing Comments and Adjournment  
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)

ACCREDITATION STATEMENT

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