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](http://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, FRCP
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 – 10:05 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, FCRP

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

*Invited Guest: Francis Collins, MD, PhD*
Director, National Institute of Health

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  
**Moderator:** Vivian Fonseca, MD, FRCP

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*
Assistant Professor-Clinical, Endocrinology, Diabetes and metabolism
The Ohio State University (Columbus, Ohio, USA)

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**
Elizabeth Essig, MD
Amer Rajab, MD, PhD
Rodolfo Alejandro, MD

4 – 5 p.m. **Workshop 1C: Value of Cost Sharing in Diabetes Self-Management**
* Moderator: Ruth Lipman PhD*
Chief Science and Practice Officer
American Association of Diabetes Educators (Chicago, Ill., USA)

**Understanding the Effect of Cost-Sharing Access to and Utilization of Diabetes Self-Management and Training**

Sandra Burke, PhD, ANP, BC-ADM, CDE, FAADE
President, American Association of Diabetes Educators
Clinical Assistant Professor and Director
Urbana Regional Program
University of Illinois, College of Nursing (Urbana, Ill., USA)

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, FCRP

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 G.B. Amoah, MB, ChB, PhD, FRCP, FWACP, FGCP, FESC, FGA*  
Professor of Medicine, University of Ghana Medical School  
Director, National Diabetes Management and Research Centre  
Korle Bu Teaching Hospital (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**
*Moderator: Shashank R. Joshi, MD, FACE, FRCP*
President, Research Society of Study of Diabetes in India and Indian Academy of Diabetes (Mumbai, India)

2 – 2:30 p.m. **Reasons for Increased Prevalence of Diabetes Among Asian Indians**
Abhimanyu Garg, MBBS, MD
Professor of Internal Medicine
Chief, Division of Nutrition and Metabolic Diseases
Distinguished Chair in Human Nutrition Research
Southwestern Medical Center (Dallas, Texas, USA)

2:30 - 3 p.m. **Prevention of Diabetes in India (IDPP 1 and 2)**
Shashank R. Joshi, MD, FACE, FRCP

3 – 3:30 p.m. **Panel Discussion**
Shashank R. Joshi, MD, FACE, FRCP
Abhimanyu Garg, MBBS, MD

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 – 6 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 – 5:45p.m. **COPE TEEN (Thinking, Emotions, Exercise, and Nutrition): An Intervention to Promote Cognitive Behavior Skills and Healthy Lifestyle Behaviors in Overweight Adolescents**  
*Bernadette Mazurek Melnyk, PhD, RN, CPNP/PMHNP, FNAP, FAAN*  
Associate Vice President for Health Promotion, University Chief Wellness Officer, Dean, College of Nursing, The Ohio State University (Columbus, Ohio, USA)
5:45 – 6 p.m. *Panel Discussion*
David Repaske, MD, PhD
Francine Kaufman, MD
Sonia Caprio, MD
Silva Arslanian, MD
Bernadette Mazurek Melnyk, PhD, RN, CPNP/PMHNP, FNAP, FAAN

6:30 – 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
Moderator: Mark B. Landon, MD
Chair, Obstetrics and Gynecology
The Ohio State University (Columbus, Ohio, 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. Diabetes and Pregnancy Summary
Steven G. Gabbe, MD

11:45 a.m. – 12 p.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 – 11:00 a.m. *Diabetes in the Arab Countries: Strategies for Effective Intervention Program*
Mahmoud Ibrahim, MD
Regional Editor, American Diabetes Association (McDonough, GA, USA)

11:00-11:30 a.m. *Prevention of Diabetes in India Through Community Empowerment - Successful Case Studies*
Shashank R. Joshi, MD, FACE, FRCP

11:30-11:45 a.m. *Diabetes Prevention Trials: Perspectives of IDF*
Jean-Claude Mbanya, MD, PhD, FCRP

11:45 - 12 p.m. *Panel Discussion*
Jaakko Tuomilehto MD, PhD
Jianping Weng, MD
Enrique Caballerro, MD
Mahmoud Ibrahim, MD
Shashank R. Joshi, MD, FACE, FRCP
Jean-Claude Mbanya, MD, PhD

12 p.m. ADJOURNMENT
ACCREDITATION STATEMENT
The Ohio State University’s 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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