The Second 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

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’s Wexner Medical Center
491 McCampbell Hall
1581 Dodd Drive
Columbus, Ohio 43210
Tel: 614-292-0678
Fax: 614-292-1550
Email: Kwame.Osei@osumc.edu

Lindsay Cowgill
Program Manager
Center for Continuing Medical Education
P.O. Box 182721
660 Ackerman Road, Building 5, Second Floor
Columbus, Ohio 43218-2721
Tel: 614-293-3576
Fax: 614-293-4180
Email: Lindsay.Cowgill@osumc.edu

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 – 8:30 p.m. Welcome Reception

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 Wexner 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 – 10:00 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:**_

8:30 – 9:15 a.m. **Global Pandemic of Obesity and Diabetes in Adults – Epidemiological Solutions and Challenges**  
Jean–Claude Mbanya, MD, PhD, FCRP
9:15 – 10:00 a.m. NIDDK Translational Research: Past, Today and Future
Griffin Rodgers, MD, MBA, MACP

10:00 – 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, DM, FRCP
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, DM, FRCP

10:45 – 11:15 a.m. Lifestyle Intervention for Diabetes Prevention in Arab Americans
Linda A. Jaber, PharmD
Professor of Pharmacy Practice, Wayne State University (Detroit, Mich. USA)

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, DM, FRCP
Linda A. Jaber, PharmD
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 DCCT
Rury Holman, FRCP, FMedSci
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:** Bernard Zinman, CM, MD
Director, Leadership Sinai Centre for Diabetes
Sam and Judy Pencer Family Chair in Diabetes Research
Mount Sinai Hospital, University of Toronto (Toronto, Canada)
1:45 – 2:15 p.m. *Future Oral Anti-Diabetic Medications on the Horizon: Promises and Pitfalls*
Vivian Fonseca, MD, FRCP

2:15 – 2:45 p.m. *Initial Combination Therapy for Type 2 Diabetes: Is it Ready for Prime Care?*
Bernard Zinman, CM, MD

2:45 – 3:15 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)

3:15 – 3:45 p.m. *Personalized Care and Pharmacogenetics of Diabetes*
Soren Snitker, MD, PhD
Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, and Nutrition
University of Maryland School of Medicine (Baltimore, 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 – 4:15 p.m. *Biochemistry of Wound Healing: Role of Oxygen*
Chandan Sen, PhD, FACSM, FACN
Director, Ohio State’s Comprehensive Wound Center
The Ohio State University (Columbus, Ohio, USA)

4:15 – 4:30 p.m. *Cellular and Cytokine Profile for Wound Healing*
Sashwati Roy, PhD

4:30 – 4:45 p.m. *Management of Diabetic Foot Ulcers*
Gayle Gordillo, MD, FACS
Director, Plastic Surgery Research
Director, CWC Clinical Research
Director, Inpatient Comprehensive Wound Service
Associate Professor, Department Plastic Surgery
The Ohio State University (Columbus, Ohio, USA)

4:45 – 5 p.m. *Panel Discussion*
Sashwati Roy, PhD
Chandan Sen, PhD, FACSM, FACN
Gayle Gordillo, MD, FACS
4 – 5 p.m. **Workshop 1B: Cellular Therapies of Diabetes**  
*Moderator: Amer Rajab, MD, PhD*  
Director, Pancreas and Islet Transplant  
Ohio State’s Comprehensive Transplant Center  
The Ohio State University (Columbus, Ohio, USA)

4 – 4:25 p.m. **Lessons from International Pancreas Transplantation Registry**  
Amer Rajab, MD, PhD

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

4:50 – 5 p.m. Panel Discussion  
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)

4 – 4:25 p.m. **Economic Value of Shared Medical Appointments for Individuals with Diabetes**  
Iris Sanchez, DNP, FNP, BC-ADM  
Diabetes Education Manager  
Adjunct Assistant Professor  
Department of Family Health at The University of Texas School of Nursing at Houston  
(Houston, TX, USA)

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

4:50 – 5 p.m. Panel Discussion  
Ruth Lipman, PhD  
Iris Sanchez, DNP, FNP-BC, CDE  
Sandra Burke, PhD, ANP, CDE

5 - 8 p.m. **BUS TOUR OF THE HOSPITAL** (OPTIONAL)
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, FRCP, PhD
Clinical Reader, 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  
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, PhD
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**
Enrique Caballero, MD

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
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 California San Diego (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. **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, CPNP/PMHNP, FAAN*  
Associate Vice President for Health Promotion, University Chief Wellness Officer  
Dean and Professor, College of Nursing  
Professor of Pediatrics and Psychiatry, College of Medicine  
The Ohio State University (Columbus, Ohio, USA)

4:15 – 4:45 p.m. **Obesity, Youth and Diabetes (Dia Obesity)**  
*Francine Kaufman, MD*  
Distinguished Professor Emerita of Pediatrics, The USC School of Medicine  
Chief Medical Officer, VP of Global Clinical Medical and Health Affairs, Medtronic Diabetes  
Attending, Children’s Hospital Los Angeles (Los Angeles, Calif., USA)

4:45 – 5:15 p.m. **Metabolic Syndrome and Obese Youth**  
*Sonia Caprio, MD*  
Professor of Pediatrics (Endocrinology)  
Yale University (New Haven, Conn., USA)
5:15 – 5:45 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)

5:45 – 6 p.m. *Panel Discussion*
David Repaske, MD, PhD
Francine Kaufman, MD
Sonia Caprio, MD
Silva Arslanian, MD
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. What Does Gestational Diabetes Mellitus Mean for the Mother?
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 and Chief Scientific Officer, Sansum Research Institute (Santa Barbara, Calif., USA)

11 – 11:30 a.m. Oral Agents and Pregnancy Outcome
Celeste Durnwald, MD
Assistant Professor, Maternal Fetal Medicine Department of Obstetrics and Gynecology
University of Pennsylvania School of Medicine (Phila., Penn, USA)

11:30 – 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
Peter H. Bennett, MBChB, FRCP, FFPHM
Scientist Emeritus, National Institutes of Health
Former Chief of the Phoenix Epidemiology and Clinical Research Branch (Phoenix, AZ, USA)

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 a.m. Diabetes in the Arab Countries: Strategies for Effective Intervention Program
Mahmoud Ibrahim, MD
Regional Editor, American Diabetes Association, Middle East
Director, EDC Center for Diabetes Education (McDonough, GA, USA)

11-11:30 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
Peter H. Bennett, MBChB, FRCP, FFPHM
Enrique Caballerro, MD
Mahmoud Ibrahim, MD
Shashank R. Joshi, MD, FACE, FRCP
Jean-Claude Mbanya, MD, PhD

12 – 12:15 p.m. Evaluation

12:15 p.m. ADJOURNMENT
This activity is presented for educational purposes only. Participants are expected to utilize their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters who have been selected for presentations of recognized expertise in their field.

No further reproduction or distribution is permitted by electronic transmission or any other means. The presentations at this conference are the intellectual property of the presenter and require his/her permission for further use.

**Institutional Partners:**
Center for Clinical & Translational Science
Center for Personalized Health Care
Center for Women’s Health
Comprehensive Wound Center