

THE OHIO STATE UNIVERSITY WEXNER MEDICAL CENTER'S DIABETES RESEARCH
CENTER PRESENTS

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

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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 – 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)

4:25 – 4:50 p.m. ***Understanding the Effect of Cost-Sharing Access to and Utilization of Diabetes Self-Management and Training***

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, FRCP
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 (DiaObesity)***

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**

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