
ASBMR Symposium: The Effects of Diabetes and Disordered Energy Metabolism on Skeletal Health

Thursday, September 11, 2014

George R. Brown Convention Center – Houston, Texas, USA

Co-Organizers: Ann Schwartz, Ph.D., University of California, San Francisco, Lorenz Hofbauer, M.D., Dresden University Medical Center, Beata Lecka-Czernik, Ph.D., University of Toledo College of Medicine and Christian Meier, M.D., University Hospital Basel, Switzerland

9:00 am – 10:15 am

Advances in Understanding Insulin Resistance

Co-Chairs: Solomon Epstein, M.D., FRCP, Mount Sinai School of Medicine, USA and Beata Lecka-Czernik, Ph.D., University of Toledo College of Medicine, USA

- **An Epigenomic and Transcriptional Basis for Insulin Resistance**
Evan Rosen, M.D., Ph.D., Beth Israel Deaconess Medical Center, USA
- **Adipose Tissue, Insulin Resistance and Systemic Metabolic Flexibility**
Philipp Scherer, Ph.D., University of Texas Southwestern Medical Center, USA
- **The Regulation of Glucose Metabolism by Bone and its Implication**
Gerard Karsenty, M.D., Ph.D., Columbia University, USA

10:15 am – 11:00 am

Break and Poster Viewing

11:00 am – 12:15 pm

Lessons from Preclinical Models of Diabetes and Bone

Co-Chairs: Roberto Fajardo, Ph.D., University of Texas Health Center, San Antonio, USA and John Fowlkes, M.D., University of Arkansas for Medical Sciences, USA

- **Skeletal Phenotype of Preclinical T1DM Models: Mechanisms Underlying Reduced Bone Formation –**
Laura McCabe, Ph.D., Michigan State University, USA
- **Fat Metabolic Status and Bone**
Beata Lecka-Czernik, Ph.D., University of Toledo College of Medicine, USA
- **Role of the Skeleton in Insulin Signaling and Glucose Homeostasis**
Stavroula Kousteni, Ph.D., Columbia University Medical Center, USA
- **Effects of Advanced Glycation End Products on Bone**
Deepak Vashishth, Ph.D., Rensselaer Polytechnic Institute, USA

12:15 pm – 1:30 pm

Lunch and Poster Viewing

1:30 pm – 2:45 pm

Human Bone Metabolism in Diabetes

Co-Chairs: Mary Bouxsein, Ph.D., Beth Israel Deaconess Medical Center, USA and Nicola Napoli, M.D., University Campus Biomedico, Italy

- **Biochemical Markers: Novel Regulators of Bone Metabolism in Diabetes**
Mishaela Rubin, M.D., Columbia University, USA
- **Beyond DXA: Imaging in Diabetes**
Thomas Link, M.D., University of California, San Francisco, USA
- **Bone Material Properties in Type 2 Diabetes: Is Skeletal Deterioration Another Diabetic Complication?**
Sundeep Khosla, M.D., Mayo Clinic, USA

2:45 pm – 3:15 pm

Break and Poster Viewing

3:15 pm – 4:45 pm

Clinical Management

Co-Chairs: Christian Meier, M.D., University Hospital Basel, Switzerland and Clifford Rosen, M.D., Maine Medical Center, USA

- **New Diabetes Treatment and Bone**
Christian Meier, M.D., University Hospital Basel, Switzerland
- **Identifying Diabetic Patients at High Risk of Fracture**
William Leslie, M.D., FRCPC, University of Manitoba, Canada
- **Options for Pharmacological Treatment of Osteoporosis in the Patient with Diabetes**
 - Currently Available Therapies: Clifford Rosen, M.D., Maine Medical Center, USA
 - Novel Therapies: Sophie Jamal, M.D., Ph.D., University of Toronto, Canada
- **Clinical Management: What's Known and Where is More Research Needed? – Panel Discussion with Program Speakers**