



2009 MID-ATLANTIC DIABETES RESEARCH SYMPOSIUM

SEPTEMBER 25, 2009

LISTER HILL AUDITORIUM • BUILDING 38A • NATIONAL INSTITUTES OF HEALTH • BETHESDA, MD



NIDDK

NATIONAL INSTITUTE OF
DIABETES AND DIGESTIVE
AND KIDNEY DISEASES

AGENDA

- 7:30 a.m. – 8:25 a.m. *Registration, Poster Setup, Light Refreshments*
- 8:25 a.m. – 8:30 a.m. **Welcome**
Sam Cushman, NIDDK
- 8:30 a.m. – 12:00 p.m. **Morning Session**
Chair: Jesse Roth, Albert Einstein College of Medicine, Yeshiva University
- 8:30 a.m. – 9:00 a.m. **Genomics and Pharmacogenetics in the Physiology and Treatment of Diabetes and Obesity**
Marc Reitman, Merck & Co., Inc.
- 9:00 a.m. – 9:15 a.m. Differential Regulation of Adipose Triglyceride Lipase (ATGL) and Hormone Sensitive Lipase (HSL) by Lipid Droplet-Associated Proteins (PAT Proteins)
Carole Sztalryd, University of Maryland School of Medicine
- 9:15 a.m. – 9:30 a.m. Reduction of Adipose Tissue and Pancreatic Islet Inflammation by Sitagliptin in a Mouse Model of Obesity
Anca Dobrian, Eastern Virginia Medical School
- 9:30 a.m. – 9:45 a.m. A Diabetic Fly Model: Growth and Metabolic Defects Are Caused by Deletion of *Drosophila* Insulin-like Peptides
Caroline Li, University of Maryland
- 9:45 a.m. – 10:15 a.m. *Break*
- 10:15 a.m. – 10:45 a.m. **No, Bariatric Surgery Has Not Conquered Diabetes (Yet!): Some Intriguing and Disturbing Puzzles**
Walter Pories, East Carolina University
- 10:45 a.m. – 11:00 a.m. Olanzapine Rapidly Stimulates Shifts in Peripheral Fuel Selection and Increases Whole-body Lipid Fuel Oxidation
Vance Albaugh, The Pennsylvania State University College of Medicine
- 11:00 a.m. – 11:15 a.m. Beyond Thrombosis: The Role of Plasminogen Activator Inhibitor Type-1 (PAI-1) in Obesity-induced Inflammation
Gina Coudriet, University of Pittsburgh School of Medicine

11:15 a.m. – 11:30 a.m.	Dynamics of Adipose Tissue Growth Under Weight Gain and Loss <i>Junghyo Jo, NIDDK</i>
11:30 a.m. – 12:00 p.m.	Metabolic Effects of Myostatin Inhibition <i>Alex McPherron, NIDDK</i>
12:00 p.m. – 2:00 p.m.	<i>Lunch and Poster Session</i>
2:00 p.m. – 4:30 p.m.	Afternoon Session <i>Chair: Lester Salans, Mt. Sinai School of Medicine and Columbia University Medical Center</i>
2:00 p.m. – 2:30 p.m.	Novel Pathways for Preserving Beta-cell Function in Type 2 Diabetes <i>Chris Newgard, Duke University Medical Center</i>
2:30 p.m. – 2:45 p.m.	Caveolin-1 and Cholesterol Regulate GLP-1 Receptor Function in Pancreatic Islets <i>Stacey Barrick, University of Pittsburgh School of Medicine</i>
2:45 p.m. – 3:00 p.m.	PERK (EIF2AK3) Regulates Proinsulin Trafficking and Quality Control in the Endoplasmic Reticulum <i>Douglas Cavener, The Pennsylvania State University</i>
3:00 p.m. – 3:30 p.m.	<i>Break</i>
3:30 p.m. – 3:45 p.m.	RGS4 and Spinophilin Are Negative Regulators M3 Muscarinic Acetylcholine Receptor-mediated Insulin Release <i>I. Ruiz de Azua, NIDDK</i>
3:45 p.m. – 4:00 p.m.	O-GlcNAc Modification Is a Key Modulator for Insulin Production in <i>Drosophila melanogaster</i> <i>Osamu Sekine, NIDDK</i>
4:00 p.m. – 4:30 p.m.	Dynamic Molecular Organization of GLUT4 and Insulin-stimulated Glucose Transport <i>Sam Cushman, NIDDK</i>
4:30 p.m. – 4:35 p.m.	Wrap-up and Thanks <i>Sam Cushman, NIDDK</i>
4:35 p.m.	<i>Adjournment, Poster Removal</i>