



Type 2 Diabetes & Metabolism Symposium

November 14-15, 2019

The Jackson Laboratory for Genomic Medicine
Farmington, Connecticut

Thursday, November 14th

11:00am – 11:45am Registration & Buffet Lunch

11:45am – 12:00pm **Welcome to The Jackson Laboratory**
Edison Liu, M.D., The Jackson Laboratory

Genetics of Type 2 Diabetes Risk and Progression

12:00pm – 12:45pm **Genetic Variants Associated with Predisposition to Type 2 Diabetes**
Karen Mohlke, Ph.D., University of North Carolina – Chapel Hill

12:45pm – 1:30pm **Clinical Translation of Genetic Predictors for Type 2 Diabetes**
Jose Florez, M.D., Ph.D., Massachusetts General Hospital & The Broad Institute

1:30pm – 1:45pm Coffee Break

Omics and Disease Processes

1:45pm – 2:15pm **Complex Genetics to Functional Genomics**
Michael L. Stitzel, Ph.D., The Jackson Laboratory for Genomic Medicine

2:15pm – 2:45pm **The Genetic Architecture of Insulin Secretion**
Gary Churchill, Ph.D., The Jackson Laboratory

2:45pm – 3:30pm **Uncovering Dynamic Cellular Systems with Next Generation Proteomics**
Devin Schweppe, Ph.D., Harvard Medical School

3:30pm – 4:00pm Coffee Break

4:00pm – 4:45pm **Integrative 'omics to Understand the Salutary Effects of Cardiorespiratory Fitness**
Charles Burant, M.D., Ph.D., University of Michigan

4:45pm – 5:30pm **Inflammation/Innate Immunity**
Alan Saltiel, Ph.D., University of California – San Diego

Friday, November 15th

8:30 – 9:00am Continental Breakfast

Diabetes Systems/Target Organ Pathophysiology

9:00 – 9:45am **Linking Functional and Molecular Phenotyping in Human Islet Cells**
Patrick MacDonald, Ph.D., University of Alberta

9:45 – 10:30am **Targeting the Liver to Treat Type 2 Diabetes**
Gerald Shulman, M.D., Ph.D., FACP, MACE, Yale University

10:30 – 11:00am Coffee Break

11:00 – 11:45am **Mesenchymal Progenitor Cells and Fat Tissue Remodeling**
Patrick Seale, Ph.D., University of Pennsylvania

11:45 – 12:30pm **Mitochondria at the Crossroads of Bioenergetics and Metabolic Flexibility**
Deborah Muoio, Ph.D., Duke University

12:30pm Lunch