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

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

Genetics of Type 2 Diabetes Risk and Progression

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

Omnics and Disease Processes
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