MONDAY, JANUARY 25

Welcoming Remarks and Keynote Address (8am Denver/Mountain Time Start)
* Diane Mathis, Harvard Medical School, USA
* Marc Y. Donath, University Hospital Basel, Switzerland
Bruce M. Spiegelman, Harvard Medical School, USA
Adipose Inflammation: Many Players and Many Regulatory Functions

Immunometabolism: The Metabolic View (8:40am Denver/Mountain Time Start)
* Janelle S. Ayres, The Salk Institute for Biological Studies, USA
* Diane Mathis, Harvard Medical School, USA
Control of Metabolism by Immune Cells
Vishwa Deep Dixit, Yale University, USA
Immunometabolism Regulation of Aging
Ana Domingos, University of Oxford, UK
Neuroimmunometabolism
Emily Vohralik, UNSW Sydney, Australia
Short Talk: Regulation of Adipose Tissue Beiging by Krüppel-Like Factor 3 (KLF3) and Eosinophils

Immunometabolism: The Immunologist View (10:20am Denver/Mountain Time Start)
* Vishwa Deep Dixit, Yale University, USA
Christopher Hess, University Hospital Basel/University of Cambridge, Switzerland
From Patient to Molecular Understanding of Immunometabolism
Luke A. J. O’Neill, Trinity Biomedical Sciences Institute, Ireland
Krebs Cycle Repurposed for Cytokines
Janelle S. Ayres, The Salk Institute for Biological Studies, USA
Metabolic Adaptations in Host-Microbe Interactions
*Ruth A. Franklin, Harvard University, USA
Stress Responses and Disease Tolerance
Katrin Andreasson, Stanford University, USA
Short Talk: Metabolic Reprogramming of Myeloid Cells Reverses Cognitive Decline in Aging

Meet the Editors (Joint) (2pm Denver/Mountain Time Start)
Ubaldo E. Martinez Outsochrom, Thomas Jefferson University/Frontiers, USA
Stephanie Ailisa Houston, Journal of Experimental Medicine, USA
Lise Roth, European Molecular Biology Organization, Germany
Catarina Sacristán, Cell Press, USA

TUESDAY, JANUARY 26

Clinical Translation: Unmet Needs (8am Denver/Mountain Time Start)
* Morris J. Birnbaum, Pfizer Inc., USA
Marina Mesquida, F. Hoffmann-La Roche Ltd, Switzerland
Anti-Inflammatory Treatment of Diabetic Eye Complications

Marc Y. Donath, University Hospital Basel, Switzerland
IL-1beta in Physiology and Treatment of Metabolic Diseases
Tom Thuren, Novartis Pharmaceuticals, USA
Requirement to Implement Anti-Inflammatory Treatment of Cardiometabolic Diseases
Elena Carcarino, INSERM, France
Short Talk: Epigenomic Regulation of IL-1B Enhancers in Type 2 Diabetes

Insulin Production and Action (10:00am Denver/Mountain Time Start)
* Marc Y. Donath, University Hospital Basel, Switzerland
Alan R. Saltiel, University of California, San Diego, USA
Inflammatory Links Between Obesity and Energy Metabolism
Bruce Verchere, University of British Columbia, Canada
Islet Amyloid Polypeptide and Islet Inflammation
* Elise Dalmas, INSERM, France
Innate Immunity in the Pancreatic Islet Niche
Fezya Engin, University of Wisconsin-Madison, USA
Short Talk: Targeting Beta Cell Unfolded Protein Response in Type 1 Diabetes
Katia Monsorno, University of Lausanne, Switzerland
Short Talk: Lactate Metabolism in the Control of Microglial Function

Poster Session 1 (12pm Denver/Mountain Time Start)
Career Roundtable (Joint) (1pm Denver/Mountain Time Start)
Donita C. Brady, University of Pennsylvania, USA
Matthew G. Vander Heiden, Massachusetts Institute of Technology, USA
Tom Thuren, Novartis Pharmaceuticals, USA

WEDNESDAY, JANUARY 27

Adipose Tissues (8am Denver/Mountain Time Start)
* Elise Dalmas, INSERM, France
* Bruce M. Spiegelman, Harvard Medical School, USA
Rinke Stienstra, Wageningen University and RadboudUMC, Netherlands
Obesity and Diabetes: An Immunometabolic Perspective
Paul Cohen, Rockefeller University, USA
The Adipose Tissue Microenvironment in Health and Disease
Jun Wu, University of Michigan, USA
[NOT AVAILABLE ON DEMAND] Immune-Beige Adipocyte Communication
Inbar Shteinberg, Tel Aviv University, Israel
Short Talk: Distinctive Effects of Alarmins S100A8 and S100A9 on Adaptive Thermogenesis
Katelyn D. Miller, University of British Columbia, Canada
Short Talk: Inhibition of Acetate Metabolism Enhances Host Anti-Tumor Immunity
Pegah Poursharifi, University of Montreal-CRCHUM, Canada
Short Talk: Suppression of ABHD6 Promotes Healthy Expansion of Adipose Tissue in Obesity

* Session Chair † Invited but not yet accepted     Program current as of February 11, 2021.
For the most up-to-date details, visit https://www.keystonesymposia.org.
**Liver (10:10am Denver/Mountain Time Start)**

*Gwendalyn J. Randolph*, Washington University, USA  
*Alan R. Saltiel*, University of California, San Diego, USA  
**Michael Karin**, University of California, San Diego, USA  
**Mitochondrial DNA Metabolism and IL-1 Mediated Inflammation**  
**Evanna Mills**, Dana-Farber Cancer Institute, USA  
**Thermogenic Fat as a Modifier of the Immune Response**  
**Morris J. Birnbaum**, Pfizer Inc., USA  
**Therapeutic Approaches for the Treatment of Non-Alcoholic Fatty Liver Disease**  
**Han Wang**, Ohio State University, Comprehensive Cancer Center, USA  
**Short Talk: Neutrophil Extracellular Traps Promote the Differentiation of Tregs through Metabolic Reprogramming to Impair Cancer Immunosurveillance in NASH Liver**  
**Sabine Daemen**, Washington University in St. Louis, USA  
**Short Talk: Recruited Monocyte-Derived Macrophages Regulate Hepatic Crown-Like Structure Formation and Liver Fibrosis in NASH**  
**Jin Young Huh**, Seoul National University, South Korea  
**Short Talk: Tank-Binding Kinase 1 Regulates the Localization of acyl-CoA synthetase ACSL1 to Control Hepatic Fatty Acid Oxidation**

**THURSDAY, JANUARY 28**

**Muscle/Cardiovascular (8am Denver/Mountain Time Start)**

*Ana Domingos*, University of Oxford, UK  
**Helga Ellingsgaard**, Centre for Physical Activity Research, Copenhagen, Denmark  
**IL-6, a Physiological Regulator of Adipose Tissue Mass in Humans**  
*Mark A. Febbraio*, Monash Institute of Pharmaceutical Sciences, Australia  
**Treatment of Type 2 Diabetes and Age-Related Sarcopenia with the Designer Cytokine IC7Fc**  
**Amy J. Wagers**, Harvard University, USA  
**Stem Cell Metabolism and Muscle Regeneration**  
**Shuang Zhang**, Harvard Medical School/Massachusetts General Hospital, USA  
**Short Talk: Bone Marrow Adipocytes Fuel Fatty Acid Metabolism Directed Myelopoiesis after Myocardial Infarction**  
**Dina Chokr**, INSERM, Centre de Recherche des Cordeliers, France  
**Short Talk: Impact of Histone Lysine Demethylase 6B on Adipose Tissue Macrophage Plasticity**

**Cardiovascular (10:05am Denver/Mountain Time Start)**

*Paul Cohen*, Rockefeller University, USA  
*Michael Karin*, University of California, San Diego, USA  
**Eicke Latz**, University of Bonn, Germany  
**Pharmacological Modulation of Cellular Metabolism Controls Macrophage Metabolism**  
**Gwendalyn J. Randolph**, Washington University, USA  
**Immunity and Lipoprotein Trafficking**  
**Matthias Nahrendorf**, Massachusetts General Hospital, USA  
**Post-MI Emergency Hematopoiesis and Metabolism**  
**Jan Van den Bossche**, Amsterdam UMC VUmc, Netherlands  
**Short Talk: Macrophage ATP Citrate Lyase Deficiency Stabilizes Atherosclerotic Plaques**  
**Enyuan Cao**, Monash University, Australia  
**Short Talk: Mesenteric Lymphatic Dysfunction Promotes Insulin Resistance and Represents a Potential Novel Treatment Target in Obesity**

**Closing Remarks (11:50am Denver/Mountain Time Start)**

**Networking Lounge (12pm Denver/Mountain Time Start)**