FRIDAY, JANUARY 29
Arrival and Registration

SATURDAY, JANUARY 30

Welcome and Keynote Address (Joint)
Morris F. White, Boston Children's Hospital, Harvard Medical School, USA
Peripheral and Central Faces of Hepatic Insulin Resistance

Gut Instincts: Influence of the Intestine on Glucose Homeostasis (Joint)
Mary-Elizabeth Patti, Joslin Diabetes Center, USA
Hypoglycemia after Bariatric Surgery: Lessons Learned About Intestinal Control of Glucose Metabolism
Max Nieuwdorp, University of Amsterdam, Netherlands
Does the Disease Start with the Gut Microbiome?
Roy Taylor, Newcastle University, UK
The Impact of Caloric Restriction on Liver and Pancreas

Short Talks Chosen from Abstracts

Workshop and Panel 1: Patient Engagement (J5)
Rachel L. Batterham, University College London, UK
Short Talks Chosen from Abstracts

Workshop and Panel 1: Insulin Resistance vs. Beta Cell Function (J6)

Short Talks Chosen from Abstracts

Central Adaptations to Body Weight Change (J5)
Hans Rudolf Berthoud, Pennington Biomedical Research Center, USA
Central effects of Bariatric Surgery
Stephanie E. Fulton, University of Montreal, Canada
Curbing Hedonia: Neurometabolic Adaptations to High-fat Diet and Obesity
Dana M. Small, Yale University School of Medicine, USA
Rethinking Food Reward: Implications for Overeating

Short Talks Chosen from Abstracts

Personalized Therapeutics for T2D: Are We There Yet? (J6)
Jose C. Florez, Massachusetts General Hospital, USA
Have GWAS Helped Classify Diabetes?
Emma Ahlvist, Lund University, Sweden
Subclassifying Diabetes by Combining GWAS and Clinical Phenotyping
Paul W. Franks, Lund University, Sweden
Lifestyle Effects in the Context of Precision Medicine

Short Talks Chosen from Abstracts

Poster Session 1

SUNDAY, JANUARY 31

The Future Treatments for Patients with Obesity (J5)
Lotte Bjerre Knudsen, Novo Nordisk A/S, Denmark
GLP-1: an Incretin and a Neuropeptide, with Simultaneous Cardiovascular Risk Reduction
Murielle M. Veniant, Amgen Inc., USA
Approaches to Decrease Weight in Obese Individuals with Therapeutic Agents
Shirly Pinto†, Kallyope, USA
Talk Title to be Announced
Speaker to be Announced
Short Talks Chosen from Abstracts

Type 2 Diabetes: One Size Doesn’t Fit All (J6)

Ellen E. Blaak, Maastricht University, Netherlands
T2D Associated with Different Obesity Metabolic Phenotypes
Alka M. Kanaya, University of California, San Francisco, USA
Ethnic Influences on Type 2 Diabetes
Kristen Jane Nadeau, University of Colorado Denver, USA
Emerging Aspects of T2D in Youth
Bret H. Goodpaster, Translational Research Institute for Metabolism and Diabetes, USA
Fat Accumulation in Muscle: Implications for Diabetes

Short Talks Chosen from Abstracts

A Gut Feeling: How the Gut Speaks to the Brain (J5)
Rachel L. Batterham, University College London, UK
Gut Hormones and Nutrient Sensing
Darleen A. Sandoval, University of Michigan, USA
Using Bariatric Surgery to Understand the Regulatory Role of the Gut in Metabolism
Diego V. Bohórquez, Duke University Medical Center, USA
A Gut Choice for Sugars

Short Talks Chosen from Abstracts

Non-Classical T1D (J6)
Carmella Evans-Molina, Indiana University, USA
Understanding Late Onset T1D
Matthew B. Johnson, University of Exeter Medical School, UK
Genetic Insights into Autoimmune Diabetes
Kevan C. Herold, Yale University, USA
Cancer Immunotherapy and T1D

Short Talks Chosen from Abstracts

* Session Chair † Invited but not yet accepted  Program current as of March 13, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
**Poster Session 2**

**MONDAY, FEBRUARY 1**

**Feeding Behavior: Top Down or Bottom Up? (J5)**
Linda Rinaman, Florida State University, USA  
*Top Down Control of Appetite*
Lori M. Zeltser, Columbia University, USA  
*Anorexia Nervosa: Perceptions of Appetite*
Michael Krashes, NIDDK, National Institutes of Health, USA  
*Appetite and Motivation*
Gary J. Schwartz, Albert Einstein College of Medicine, USA  
*Bottom up Control of Appetite*

**Short Talks Chosen from Abstracts**

**The Failing beta Cell in T1D and T2D (J6)**
Laura C. Alonso, Weill Cornell Medicine, USA  
*ER Stress: The Good, the Bad and the Ugly*
Marc Prentki, Montreal Diabetes Research Center, Canada  
*Insulin Hypersecretion as an Initiator of Insulin Resistance*
Chantal Mathieu, KU Leuven, Belgium  
*Dialog between the Immune System and the beta Cell*
Lori Sussel, University of Colorado Anschutz Medical Campus, USA  
*Beta Cell Dysfunction Contributes to T1D*

**Short Talks Chosen from Abstracts**

**Workshop 2: Dialog with Speakers (Joint)**

**Fetal/Neonatal Programming of Obesity Risk: Impact of Maternal Metabolic Health (J5)**
Anny Xiang, Kaiser Permanente, USA  
*Outcomes of Maternal Obesity and Diabetes in Children*
Elinor L. Sullivan, Oregon National Primate Research Center, USA  
*The Influence of Maternal Nutrition and Metabolic State on Offspring Risk for Psychiatric Disorders*
Stephanie Wesołowski, University of Colorado Denver, USA  
*Programming Liver Disease*

**Short Talks Chosen from Abstracts**

**Liver Dysfunction in Metabolic Disease (J6)**
Juleen R. Zierath, Karolinska Institutet, Sweden  
*Skeletal Muscle Mediators and Exercise-Induced Adaptations Governing Insulin Sensitivity in Type 2 Diabetes*
Anastasia Kralli, Johns Hopkins Medical School, USA  
*The Role of Mitochondrial Function in Obesity and Metabolic Disease*
Joseph T. Brozinick, Eli Lilly and Company, USA  
*Insulin Sensitivity in T2D*

**Short Talks Chosen from Abstracts**

**Poster Session 3**

**TUESDAY, FEBRUARY 2**

**Adipose Tissue Communication (J5)**
Philipp E. Scherer, University of Texas Southwestern Medical Center, USA  
*Adipocyte-Mediated Organ Crosstalk*
Ana Domingos, University of Oxford, UK  
*Sympathetic Innervation of Adipose Tissue*
Sean M. Hartig, Baylor College of Medicine, USA  
*Adipose Tissue Communication via Exosomes*
Camilla Charlotte Schéele, University of Copenhagen, Denmark  
*Brown Adipocytes in Human Metabolism*

**Short Talks Chosen from Abstracts**

**Novel Therapeutic Strategies: Mechanisms and Applications (J6)**
Richard D. DiMarchi, Indiana University and Novo Nordisk, USA  
*Overview of Existing and Emerging Therapies for T2D*
Rory J. McCrimmon, University of Dundee, UK  
*Mechanisms of Therapies for T2D and Potential Crossover to T1D*
Carla J. Greenbaum, Benaroya Research Institute at Virginia Mason, USA  
*Anti CD3 Therapy for T1D: New Promise for an Old Therapy*
Allan Ertmann Karlsen, Novo Nordisk, Denmark  
*Stem Cell Mediated Treatments for Diabetes*

**Short Talks Chosen from Abstracts**

**Workshop 3: Hot Topics (J5)**

**CNS Control of Energy Homeostasis and Blood Glucose (Joint)**
Shane T. Hentges, Colorado State University, USA  
*POMC Neurons: Distinct Roles in Food Intake, Metabolism and Glucose Regulation*
Michael A. Cowley, Monash University, Australia  
*Hypothalamic Control of Blood Glucose Homeostasis*
Martin G. Myers, Jr., University of Michigan, USA  
*Hypothalamic Control of Hypoglycemic Counter Regulatory Mechanism*
Michael W. Schwartz, University of Washington, USA  
*Role of the Brain in Diabetes Pathogenesis and Treatment*

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J5)**

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J6)**
WEDNESDAY, FEBRUARY 3

Departure