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: Insulin Resistance vs. Beta Cell Function (J6)
Short Talks Chosen from Abstracts

Workshop and Panel 1: Patient Engagement (J5)
*Rachel L. Batterham, University College London, UK
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 Ahlqvist, 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

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

Poster Session 1

SUNDAY, JANUARY 31
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

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
Targeting Gut-Brain Circuits Mediating Satiety for the Treatment of Obesity
Speaker to be Announced
Short Talks Chosen from Abstracts

Workshop and Panel 2: Health Disparities in Diabetes and Obesity (Joint)
Alka M. Kanaya, University of California, San Francisco, USA
Carmella Evans-Molina†, Indiana University, USA
Rory J. McCrimmon, University of Dundee, UK
Carla J. Greenbaum, Benaroya Research Institute at Virginia Mason, USA
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 August 31, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
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

MONDAY, FEBRUARY 1

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

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

Workshop 3: Dialog with Speakers (Joint)
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

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 Wesolowski, University of Colorado Denver, USA
Programming Liver Disease
Short Talks Chosen from Abstracts

TUESDAY, FEBRUARY 2

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

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

Workshop 4: Hot Topics (J5)
Short Talks Chosen from Abstracts

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
Short Talks Chosen from Abstracts

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Michael A. Cowley, Monash University, Australia
Hypothalamic Control of 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

Short Talks Chosen from Abstracts

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

WEDNESDAY, FEBRUARY 3

Departure