

Thursday 1st December

08:00	Registration
08:50	Welcome Tony Tiganis
Keynote	
09:00	David James <u>Metabolic phosphoproteomics</u>
Session 1: Novel mediators of insulin resistance (sponsored by ADS) Chairs: Mike Ryan & Madga Montgomery	
09:45	Matthew Watt <u>Using 'omics' approaches to understand diabetes pathogenesis</u>
10:15	Sean McGee <u>The Alzheimer's disease protein amyloid beta 42 and its precursor protein: unexpected roles in peripheral metabolism</u>
10:35	Esteban Gurzov <u>BCL-2-interacting-mediator-of-cell-death (BIM) deficiency in liver improves mitochondrial oxygen consumption, decreases oxidative stress and enhances insulin sensitivity in diet-induced obesity</u>
10:50	Nigel Turner <u>Increasing nuclear NAD+ biosynthesis results in an oxidative shift in skeletal muscle and improved insulin sensitivity</u>
11:05	Morning Tea
Session 2: Integrative biology and metabolic control Chairs: Mark Sleeman & Stephanie Simmonds	
11:30	Frank Reimann <u>Stimulus secretion coupling in enteroendocrine cells</u>
12:00	Stephen Simpson <u>Putting the balance back in diet: The nutritional geometry of metabolic health and ageing</u>
12:30	Anton Bennett <u>Tissue specific contributions of the MAP kinase phosphatase-1 in metabolic regulation</u>
13:00	Lunch
Session 3: Adipose tissue biology Chairs: Matthew Watt & Belinda Henry	
14:00	Matthew Rodeheffer <u>Understanding how we get fat: Dietary regulation of adipogenesis</u>
14:30	Hongyuan Robert Yang <u>Lipid synthesis and storage in human metabolic disorders</u>
15:00	Michelle Keske <u>Adipose tissue microvascular blood flow and type 2 diabetes</u>
15:30	Mark Hargreaves <u>Exercise and metabolic diseases</u>
15:50	Break
Novo Nordisk Plenary #1 Chair: Tony Tiganis	
16:00	Philipp Scherer <u>The multifaceted roles of adipose tissue: Therapeutic target for diabetes and beyond</u>
17:00	Poster Session (including wine and cheese tasting & canapes)

Friday 2nd December

08:00	Registration
Novo Nordisk Plenary #2 Chair: Tony Tiganis	
08:30	Joel Elmquist <u>Using mouse genetics to identify CNS pathways linking exercise, energy balance and glucose homeostasis</u>
Session 4: Neural control of energy balance (sponsored by Journal of Neuroendocrinology) Chairs: Zane Andrews & Natalie Michael	
09:30	Herbert Herzog <u>Diet-induced adaptive thermogenesis requires Neuropeptide FF receptor-2 signalling</u>
10:00	Michael Cowley <u>Brain control of blood glucose</u>
10:30	Sarah Lockie <u>Loss of AMPK in NPY/AgRP neurons alters feeding in response to 2-deoxyglucose, glucose and ghrelin</u>
10:45	Claire Foldi <u>CNS reward pathways in anorexia nervosa: Insights from a rat model</u>
11:00	Morning Tea
Session 5: Peripheral control of energy balance Chairs: Brian Oldfield & Garron Dodd	
11:30	Jun Wu <u>Beige-fat-specific regulation in mouse and human</u>
12:00	Jenny Gunton <u>Increasing beige / brown fat activity as a treatment for obesity and diabetes</u>
12:30	Garron Dodd <u>A glucocorticoid-induced hypothalamic phosphatase switch coordinates feeding with white adipose tissue browning</u>
12:45	Sandra Galic <u>AMPK-ACC signalling is required for increasing appetite under conditions of metabolic stress</u>
13:00	Lunch
Session 6: Inflammation and metabolic disease (sponsored by In Vitro Technologies) Chairs: Sofianos Andrikopoulos & Aneta Stefanidis	
14:00	Scott Summers <u>Adipocyte ceramides regulate subcutaneous adipose browning, inflammation and metabolism</u>
14:30	Leonie Heilbronn <u>Macrophages and tissue remodelling following acute nutritional modulation in humans</u>
15:00	Anna Calkin <u>Identification of novel regulators of lipid metabolism using an integrative systems approach</u>
15:15	Carsten Schmitz-Peiffer <u>Crosstalk between adipose tissue and liver: transcriptomic and proteomic analysis of secreted factors affecting insulin sensitivity in a protein kinase C epsilon-dependent manner</u>
15:30	Alexander Tups <u>Is hypothalamic inflammation the cause of leptin resistance?</u>
15:45	Mark Febbraio <u>IC7: A novel therapeutic to treat obesity and type 2 diabetes</u>
16:15	Closing Remarks Tony Tiganis