

Baker Department of Cardiometabolic Health Symposium



Date:	Wednesday 1 September 2021	Time:	12:00pm – 5:30pm
Venue:	Online		
Registration:	https://melbourneuni.au1.qualtrics.com/jfe/form/SV_cCNb5vNssC2oiSa		
Enquiries:	Sarah Marcola: s.marcola@unimelb.edu.au		

Program

12:00 – 12:05	Welcome Professor Karlheinz Peter – Head, Baker Department of Cardiometabolic Health, UoM
SESSION ONE	Fatty Liver Disease Chaired by Professor John Prins – Head, Melbourne Medical School, UoM and Associate Professor Elif Ekinci – Department of Medicine, UoM and Austin Health Professor Matthew Watt – Head, Anatomy and Physiology, UoM
12:05 – 12:25	Deep proteomic profiling uncovers novel NASH-inducible hepatokines as regulators of glycemic control
12:25 – 12:45	Associate Professor Brian Drew – Head, Molecular Metabolism and Ageing, BHDl Advancing our Understanding of Nonalcoholic fatty liver disease (NAFLD) using Single Cell Technologies
12:45 – 1:05	Associate Professor Anna Calkin – Head, Lipid Metabolism and Cardiometabolic Disease, BHDl PSMD9: A New Player in Fatty Liver Disease
1:05 – 1:30	Panel Discussion
Break	
1:30 – 2:00	Posters (3-minute pre-recorded presentations) Aaron W. Jurrjens (<i>Student</i>) - Validating a novel regulator of hepatic lipid metabolism Aowen Zhuang (<i>ECS</i>) - SOD2 in skeletal muscle: Novel molecular and behavioural insights from an inducible deletion model Simon T. Bond (<i>ECS</i>) - Deletion of Trim28 in White Adipose Tissue Reduces Metabolic Respiration Michael F. Keating (<i>ECS</i>) - A novel role for hepatic retinol dehydrogenase 11 in the regulation of cholesterol metabolism Satvika Burugupalli (<i>ECS</i>) - Ontogeny of plasma lipid metabolism in pregnancy and early childhood: a longitudinal population study Digsu Koye (<i>ECS</i>) - Cardiovascular disease risk assessment among Indigenous Australians in a primary care setting Terence S. Fong (<i>Student</i>) - The youth vascular consortium: Establishing reference intervals for normal vascular ageing in children Sebastian Bass-Stringer (<i>Student</i>) - The reverse J-shaped relationship between physical activity and cardiac risk: Role of PI3K(P110α) and clinical implications

SESSION TWO	Exercise and Cardiometabolic Health Chaired by Professor Tom Marwick – Director and Chief Executive, BHDl and Professor Jo Douglass , James Stewart Chair of Medicine RMH, UoM
2:00 – 2:20	Dr Erin Howden – Head, Human Integrative Physiology, BHDl Oxygen usage during exercise, pinpointing when things go wrong
2:20 – 2:40	Associate Professor André La Gerche – Head, Sports Cardiology, BHDl The exercising heart in health and disease
2:40 – 3:00	Professor Mark Hargreaves – Deputy Vice-Chancellor (Research), UoM Exercise as Cardiometabolic Medicine
3:00 – 3:25	Panel Discussion
3:25 – 4:00	Break Posters (3-minute pre-recorded presentations) • Sanela Dozic (<i>Student</i>) - The role of exercise to prevent cardiotoxicity • Nicola M Sergienko (<i>Student</i>) - Investigating the role of B55α in the heart • Laura Bienvenu (<i>ECS</i>) - Combined Antiplatelet/Anticoagulant Drug for Cardiac Ischemia/Reperfusion Injury • Ahmed Refaat (<i>Student</i>) - Near-Infrared Light-Responsive Liposomes for Protein Delivery: Towards Bleeding-free Photothermally-assisted Thrombolysis • Hannah Stevens (<i>Student</i>) - Inherited thrombophilias are associated with an increased risk of COVID-19 associated venous thromboembolism • Shania Anggita Prijaya (<i>Student</i>) - T-cell inhibition: A new approach for the treatment of myocardial infarction • Johannes V. Janssens (<i>Student</i>) - Cardiac myofilament glycoproteomics in diabetes – Mapping advanced glycation end-products on Troponin-I • Camilla Bertuzzo Veiga (<i>Student</i>) - Diabetes accelerates the outgrowth of mutated stem cells in clonal haematopoiesis • Sudipta Datta (<i>Student</i>) - Investigating the dorsolateral prefrontal cortex on the vestibular modulation of skin sympathetic nerve activity
SESSION THREE	Omics Methods for Cardiovascular Research Chaired by Associate Professor David Greening – Head, Molecular Proteomics, BHDl and Professor Lea Delbridge , Head of Cardiac Phenomics, Anatomy and Physiology, UoM
4:00 – 4:20	Professor Malcolm McConville – Biochemistry and Pharmacology, UoM Omics Capability at Bio21 and their application in Infectious Diseases
4:20 – 4:40	Dr Laura Vella – Florey Institute, UoM Omics approaches to reveal the function and biomarker potential of extracellular vesicles
4:40 – 5:00	Professor Peter Meikle – Head, Metabolomics, BHDl Comprehensive genetic analysis of the human lipidome identifies novel loci controlling lipid homeostasis with links to coronary artery disease.
5:00 – 5:25	Panel discussion
5:25 – 5:30	Closing Summary, further collaborative plans and best poster award

