

2nd Melbourne Immunometabolism symposium (virtual)

presented by

ASI Immunometabolism special interest group

Melbourne Immunometabolism group

1st & 2nd September 2020

Speakers:

Prof Aleksandra Filipovska, Harry Perkins Institute

Prof Mark Febbraio, Monash Institute of Pharmaceutical sciences

Prof Sammy Bedoui, Peter Doherty Institute

Prof Malcom McConville, Bio21 Institute

Prof Matthew Sweet, University of Queensland

Dr Kylie Quinn, RMIT

Dr Graeme Lancaster, Baker Institute

Dr Sarah Gabriel, Peter Doherty Institute

Dr Sarah Best, Walter and Eliza Hall Institute

Dr Kate Quinlan, University of New South Wales

Dr Lucie Rankin, Columbia University

Dr Daniel Gough, Hudson Institute

Organisers:

Dr Ajithkumar Vasanthakumar, Peter Doherty Institute

A/Prof Andrew Murphy, Baker Institute

Prof Axel Kallies, Peter Doherty Institute

Enquiries: ajith.vasanthakumar@unimelb.edu.au; andrew.murphy@baker.edu.au

Supporters:



Australian and New Zealand
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1st Sep 2020 (9:30am - 2:00pm AEST)

Prof Aleksandra Filipovska

Fidelity and coordination of mitochondrial protein synthesis impacts metabolism and life span

Prof Mark Febbraio

Targeting the gp130 signalling pathway as a therapy for treatment of obesity related diseases

Dr Kylie Quinn

Metabolic Adaptations in Ageing T cells

Dr Daniel Gough

New tricks for an old dog: A mitochondrial pool of STAT3 drives metabolic reprogramming

Dr Sarah Best

Exploiting metabolic dependencies in KEAP1-mutant lung adenocarcinoma

Prof Malcom McConville

Using metabolomics to assess changes in immune cell metabolism in vitro and in vivo

2nd Sep 2020 (9:30am - 2:00pm AEST)

Prof Matthew Sweet

Control of macrophage metabolism and functional responses by histone deacetylases

Prof Sammy Bedoui

Microbiota, metabolism and the differentiation of CD8 T cell memory

Dr Kate Quinlan

Eosinophils in adipose tissue thermogenesis

Dr Sarah Gabriel

Preservation of cellular metabolism promotes long-term T cell responses in chronic infection

Dr Graeme Lancaster

The construction and application of a lipidomic atlas of the immune system

Dr Lucie Rankin

Bacterial metabolism of dietary Trp regulates gut Treg homeostasis