

**Combined Workshop between
the ASI Innate Immunity and
Immunometabolism SIGs and the
Australian Inflammation Centres (AIC)**



Sunday 24th November 2024 - AIC Symposium

Centenary Institute. Registration [here](#)
Program can be [viewed here](#).

Monday 25th November 2024 – Joint ASI/AIC workshop

International Convention Centre (ICC) Sydney
14 Darling Dr, Sydney NSW 2000

Schedule	Speaker	Title:	Talk
9:00 Start	Dom De Nardo <i>Monash University, Aus</i>	Welcome & Introduction	10 min
Session 1: Immunometabolism, Chair: Julia Marchingo (WEHI, Aus)			
9:10 International Speaker	Luke O'Neill <i>Trinity College Dublin, IRE</i>	<i>Itaconate: the mitochondrial metabolite that keeps on giving for innate immunity</i>	30 min (talk) + 5 min (questions)
9:45 National Speaker	Annabell Bachem <i>Doherty Institute, University of Melbourne, Aus</i>	<i>Microbiome encoded metabolites promote melanoma immunity by enhancing stem-like CD127⁺CD8⁺ T cells in the tumor draining lymph node</i>	20 min (talk) + 5 min (questions)
10:10 Short Talk	Kim Gunther <i>Institute For Molecular Bioscience, University of Queensland, Aus</i>	<i>Manipulating the pentose phosphate pathway as a dual anti-inflammatory and anti-infective approach</i>	12 min (talk) + 3 min (questions)
10:25 Short Talk	TBC	TBC	12 min (talk) + 3 min (questions)
Morning Tea Break (10:40-11:05 am)			
Session 2: Molecular Mechanisms in Innate Immunology, Chair: Larisa Labzin (University of Queensland, Aus)			
11:05 International Speaker	Claudia Kemper <i>National Institutes of Health, USA</i>	<i>Two ancient inflammation systems cooperatively control the Th1 life cycle</i>	30 min (talk) + 5 min (questions)
11:40 National Speaker	Snehlata Kumari <i>Frazer Institute, University of Queensland, Aus</i>	<i>Skin inflammation and immunity</i>	20 min (talk) + 5 min (questions)
12:05 National Speaker	Kathleen McCaffrey <i>Hudson Institute, Aus</i>	<i>Coupling ER stress to STAT1-mediated immunity against a bacterial pathogen</i>	20 min (talk) + 5 min (questions)
12:30 Short Talk	Michael Harvie <i>Doherty Institute, University of Melbourne, Aus</i>	<i>Investigating the impact of O-GlcNAcylation on dendritic cell development</i>	12 min (talk) + 3 min (questions)
12:45 Short Talk	Jinx Moore <i>University of Technology Sydney, Aus</i>	<i>Modelling the Early Inflammatory Events of Pathogenesis Induced by Silica Dust Exposure</i>	12 min (talk) + 3 min (questions)
Lunch Break (13:00-13:45 pm)			
Session 3: Inflammatory diseases: Chair: Ajith Vasanthakumar (ONJCRI, Aus)			
13:45 National Speaker	Jacki Heraud-Farlow <i>Hudson Institute, Aus</i>	<i>Identifying new regulators of cellular double-stranded RNA in autoinflammatory disease</i>	20 min (talk) + 5 min (questions)
14:10 National Speaker	Katrina Binger <i>La Trobe University, Aus</i>	<i>Vitronectin modulates macrophage metabolism and drives pro-fibrotic function in idiopathic pulmonary fibrosis and 3d models</i>	20 min (talk) + 5 min (questions)
14:35 National Speaker	Adrian Achuthan <i>University of Melbourne, Aus</i>	<i>Repurposing CCL17-inhibitors to treat inflammation</i>	20 min (talk) + 5 min (questions)
15:00 Short Talk	Erika Della Mina <i>Garvan Institute, Aus</i>	<i>Inherited human CARD9 deficiency impairs lymphoid IL-17 immunity</i>	12 min (talk) + 3 min (questions)
13:15 Short Talk	Amina Ashraf <i>Queensland University of Technology, Aus</i>	<i>The role of SNARE and Rab proteins in macrophage migration-dependent extracellular signaling through retraction fibers and migrasomes</i>	12 min (talk) + 3 min (questions)
Workshop Close (15:30 pm)			

Organisers: Innate Immunity SIG – Dominic De Nardo (Monash University), Larisa Labzin (University of Queensland) | Immunometabolism SIG – Julia Marchingo (WEHI), Ajith Vasanthakumar (ONJCRI) | Australian Inflammation Centres – Seth Masters (Hudson Institute of Medical Research), Phil Hansbro (Centenary Institute/UTS)