

Australian Inflammation Centres 2025 Annual Symposium (jointly held with the ASI Innate Immunity Special Interest Group)

The University of Adelaide, November 10-11, 2025



South Australian immunoGENomics Cancer Institute (SAiGENCI)

G030 Lecture Theatre

Lobby, AHMS Building, North Terrace

The University of Adelaide, South Australia

Sponsors



Australian Inflammation Centres



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Australian Inflammation Centres Symposium 2025

Day 1 Program - Monday 10 November 2025

Note: times are currently provisional (not final)

ACDT (Local)	AEDT	AEST	AWST	
9:00	9:30	8:30	6:30	Welcome and Introduction – Brendan Jenkins, Program Head, SAiGENCI
Session 1: Cell death (sponsored by Australasian Cell Death Society) CHAIRS – Georgia Atkin-Smith (WEHI) and Sabrina Burgener (The University of Queensland)				
9:05	9:35	8:35	6:35	David Huang (WEHI) <i>What have we learnt from targeting BCL2 to treat cancers</i>
9:35	10:05	9:05	7:05	Kate McArthur (Monash University) <i>Investigating mtDNA release during cell death and disease</i>
9:50	10:20	9:20	7:20	Adrian Lee (Westmead Hospital) <i>Defective efferocytosis contributes to inflammation in Sjögren's disease patients</i>
10:05	10:35	9:35	7:35	Kerstin Brinkman (WEHI) <i>MCL-1 in Action: Unveiling Its Dual Roles in Cell Death and Metabolism for Cancer Therapy</i>
10:20	10:50	9:50	7:50	Sven Engel (Doherty Institute) <i>Changing cell death requirements as control of Salmonella infection progresses from innate to adaptive immunity</i>
10:35	11:05	10:05	8:05	Short talk selected from abstracts
10:45	11:15	10:15	8:15	Morning Tea Break
Session 2: Emerging therapeutics and clinical perspectives I CHAIRS – TBA and TBA				
11:05	11:35	10:35	8:35	Michelle Tate (Hudson Institute of Medical Research) <i>Targeting the Host: Developing Dual-Action Therapies for Severe Influenza</i>
11:25	11:55	10:55	8:55	Melanie Wu (The University of Queensland) <i>Development of a mouse model for long COVID-19</i>
11:40	12:10	11:10	9:10	Kimberley Clark (SAiGENCI) <i>Inhibition of oncogenic drivers induces inflammatory genes and therapeutic resistance</i>
11:55	12:25	11:25	9:25	TBA () TBA
12:10	12:40	11:40	9:40	Grant Stuchbury (Queensland Emory Drug Discovery Initiative; QEDDI) <i>QEDDI - Designing new medicines to douse the flames of inflammation</i>
12:25	12:55	11:55	9:55	Short talk selected from abstracts
12:35	13:05	12:05	10:05	Lunch Break



Session 3: Innate immune signalling

CHAIRS – Joshua Chey (SAiGENCI) and TBA

13:15	13:45	12:45	10:45	Antje Blumenthal (The University of Queensland) <i>Molecular regulation of TLR4 functions</i>
13:35	14:05	13:05	11:05	Kirsten Hicks (Curtin Medical Research Institute) <i>Heterogeneity of the Bone Marrow during Ageing</i>
13:50	14:20	13:20	11:20	Sabrina Burgener (The University of Queensland) <i>Feeding the inflammasome to damage the liver – new insights into Caspase-1 biology</i>
14:05	14:35	13:35	11:35	Marcia Munoz (Garvan Institute) <i>Anisocytosis and defective erythropoiesis masquerading as anaemia of inflammation in mice and humans with defective protein prenylation</i>
14:20	14:50	13:50	11:50	Rui Gao (Hudson Institute) <i>Short 2'-O-methyl RNA fragments modulate TLR13 sensing</i>
14:35	15:05	14:05	12:05	Short talk selected from abstracts
14:45	15:15	14:15	12:15	Afternoon Tea Break

Session 4: Infection and inflammation

CHAIRS – Georgette Radford (SAiGENCI) and TBA

15:10	15:40	14:40	12:40	Carl Feng (The University of Sydney) <i>Inflammatory landscapes of human tuberculosis: from tissue to lesion</i>
15:30	16:00	15:00	13:00	Mohamed Saad (SAiGENCI) <i>Investigating miR-146a as a key modulator of inflammatory responses in pancreatitis</i>
15:45	16:15	15:15	13:15	Xiahoui Wang (The University of Queensland) <i>Human macrophage sensing of Influenza A virus infection</i>
16:00	16:30	15:30	13:30	Cameron Bastow (Monash Centre for Inflammatory Diseases) <i>Establishing clinically relevant models of sepsis to study late-stage complications and enhance drug discovery</i>
16:15	16:45	15:45	13:45	Cristina Giogha (Hudson Institute) <i>Manipulation of host cell structure and function by gut bacterial pathogens</i>
16:30	17:00	16:00	14:00	Short talk selected from abstracts
16:40	17:10	16:10	14:10	Close for the day – Brendan Jenkins

16:45 – 18:15 (ACDT) Poster session – Lobby, AHMS Building (in-person only)

18:30 – 21:30 (ACDT) Dinner/networking session – National Wine Centre (Cnr Hackney and Botanic Roads, Adelaide)



Day 2 Program - Tuesday 11 November 2025

Session 5: Inflammation and cancer

CHAIRS – Ruby Dawson (SAiGENCI) and Mara Zeissig (SAiGENCI)

9:00	9:30	8:30	6:30	Kristen Radford (Mater Research) <i>An integrated single cell RNA sequencing atlas for exploring myeloid cell heterogeneity across human cancers</i>
9:20	9:50	8:50	6:50	Yu Chinn Joshua Chey (SAiGENCI) <i>ASC-containing inflammasomes in pancreatic cancer</i>
9:35	10:05	9:05	7:05	Shreya Mahajan (Australia National University) <i>cGAS promotes metabolic processes leading to cancer development</i>
9:50	10:20	9:20	7:20	Zoe Magill (Monash University) <i>The unintended effects of melanoma targeted therapies on dendritic cell-mediated immune responses</i>
10:05	10:35	9:35	7:35	Hannah Newnes (The Kids Research Institute) <i>When type I interferon meets interleukin-4: fine-tuning inflammation to enhance anti-tumour immunity</i>
10:20	10:50	9:50	7:50	Short talk selected from abstracts
10:30	11:00	10:00	8:00	Morning Tea Break

Session 6: Emerging therapeutics and clinical perspectives II

CHAIRS – Matt Sweet and TBA

10:50	11:20	10:20	8:20	James Vince (WEHI) <i>Intrabodies to regulate cell death and inflammation</i>
11:10	11:40	10:40	8:40	Mireille Lahoud (Monash University) <i>C-type lectin-like receptors: damage recognition and inflammatory regulation</i>
11:25	11:55	10:55	8:55	Yannan Yang (SAiGENCI) <i>Nanotechnology-based in situ vaccines for treating solid tumours</i>
11:40	12:10	11:10	9:10	James Curson (The University of Queensland) <i>Leveraging immunometabolism for anti-infective and anti-inflammatory design</i>
11:55	12:25	11:25	9:25	Eduardo Albornoz (The University of Queensland) <i>Paraquat Licenses α-Synuclein to Trigger NLRP3-Dependent Pyroptosis in Microglia</i>
12:05	12:35	11:35	9:35	Short talk selected from abstracts
12:15	12:45	11:45	9:45	Close and concluding remarks (Dominic De Nardo and Larisa Labzin)

