

21st BRISBANE IMMUNOLOGY GROUP ANNUAL RETREAT

25-26 August 2022 | Q1 Resort & Spa, Gold Coast Queensland

*Program may be subject to change without prior notice.

DAY 1 - Thursday 25 August 2022

8.00AM

BUS DEPARTS FROM BRISBANE

10.00AM – 10.50AM

REGISTRATION, MORNING TEA, POSTER SET UP

10.50AM – 11.00AM

Welcome
Associate Professor Severine Navarro, ASI-QLD Councillor

11.00AM – 11.30AM

BIG Plenary Lecture I
Chair: Professor Matt Sweet

Sponsored by:



Dr Kylie Quinn, RMIT University
Age-related adaptations in T cells and the impact on T cell-based therapies

11.30AM – 12.30AM

Postgraduate Session I
Chair: Cheng Xiang Foo & Minh Dao Ngo

Sponsored by:

CORNING

Jennifer Stables, Mater Research Institute - UQ
A heterozygous kinase-dead mutation of Csf1r results in a permissive environment for bone marrow donor cells to take up residence in multiple organs

Kurt Giuliani, RB Clinical Unit, Faculty of Medicine, UQ / Pathology Queensland, Queensland Health
Inflammasome signalling and interleukin-1 β (IL-1 β) sensitise the kidney to transforming growth factor (TGF)- β signalling induced fibrotic injury in the hypoxic milieu of chronic kidney disease (CKD)

Selwin Samuel, Mater Research Institute - UQ
Pathogen-associated molecular patterns produced by infectious microbes worsen neurogenic heterotopic ossifications after spinal-cord injury

Karoline White, Institute for Molecular Bioscience, The University of Queensland
Exploring connections between mitochondrial fission and lipid droplets in macrophage inflammatory and antimicrobial pathways

12.30PM – 1.00PM

BIG Plenary Lecture II
Chair: Dr Katharine Irvine

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Transnetyx
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Associate Professor Justine Mintern, Biochemistry and Pharmacology, The University of Melbourne
Unexpected roles for ubiquitin in immunity

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1.00PM – 3.00PM

LUNCH & ROOM CHECK-IN

3.00PM – 4.00PM

Postgraduate Session II

Chair: Dana Lee & Sophia Hawas

Sponsored by:



Jessica von Pein, Institute for Molecular Bioscience, The University of Queensland

Development of dual single-cell RNA sequencing to characterize molecular mechanisms of the macrophage zinc toxicity antimicrobial response against intracellular E. coli

Hareshh Sajiir, Mater Research Institute - UQ

Investigating the role of endogenous IL-22ra1 signalling in maintaining systemic metabolic homeostasis

Fazleeh Etebar, Queensland University of Technology

Microglia heterogeneity in different regions of the healthy mouse central nervous system

Wanxiaojie Xie, School of Chemistry and Molecular Biosciences, The University of Queensland

Anti-viral Protection of CD4+ T Cells Against Gamma-Herpesvirus Infection

4.00PM – 5.00PM

AFTERNOON TEA, FREE TIME & POSTERS

5.00PM – 6.30PM

**Poster Session
(Light Refreshments and Drinks)**

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6.30PM – 7.10PM

Jonathan Sprent Oration

Chair: Professor Rajiv Khanna

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Professor Prue Hart, Telethon Kids Institute, University of Western Australia

Letting the sunshine in: Benefits for our immune health



7.10PM – 9.30PM

CONFERENCE DINNER

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DAY 2 - Friday 26 August 2022

7.00AM – 8.30AM

BREAKFAST

8.30AM – 9.00AM

Postgraduate Plenary Lecture

Chair: Associate Professor Severine Navarro

Sponsored by:

abcam

Florent Ginhoux, Singapore Immunology Network (SIgN), Agency for Science, Technology and Research (A*STAR)

Understanding Macrophage Heterogeneity

9.00AM – 10.15AM

Early/Mid Career Researcher Session

Chair: Dr Danielle Stanisic

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Miltenyi Biotec

Associate Professor Kate Gartlan, QIMR Berghofer Medical Research Institute

BATF is a potential therapeutic target in Graft-versus-Host disease following donor stem cell transplantation

Dr Susan Millard, Mater Research Institute - UQ

Macrophage fragmentation confounds analysis of single cell preparations

Dr Ali Zaid, Menzies Health Institute Queensland (MHIQ), Griffith University

N-linked glycans shape skin immune responses to Ross River virus infection

Dr Kaustav Das Gupta, Institute for Molecular Bioscience, The University of Queensland

HDAC7 is an immunometabolic switch in macrophages, interpreting different types of danger to engage inflammatory versus antimicrobial responses

10.15AM – 10.45AM

MORNING TEA

10.45AM – 11.30AM

Hot Topics

Chair: Associate Professor Raymond Steptoe

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Dr Arutha Kulasinghe, The University of Queensland Diamantina Institute, The University of Queensland

A multi-omics approach for delineating tissue signatures of immunotherapy response

Dr Quan Nguyen, Institute for Molecular Bioscience, The University of Queensland

Single cell interaction atlas in skin cancer



QIMR Berghofer
Medical Research Institute



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11.30AM – 12.30PM

BIG Session I

Chair: Professor Kate Stacey

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Professor Janet Davies, Queensland University of Technology, Metro North Health

Queensland COVID-19 Vaccine (QoVAX) Program: statewide digitally-integrated biobank and linked data repository to track COVID-19 vaccine and health outcomes

Dr Snehlata Kumari, The University of Queensland Diamantina Institute, The University of Queensland

Innate immune signalling pathways in regulating skin inflammation

Associate Professor Severine Navarro, QIMR Berghofer Medical Research Institute

Allergy and Tolerance Screening (ATLAS) Bioprocess: a novel screening platform for allergy biomarkers and tolerogenic compounds

12.30PM - 1.30PM

LUNCH

1.30PM – 2.00PM

BIG ICON Lecture

Chair: Dr Margaret Jordan

Sponsored by:



Professor Gabrielle Belz, The University of Queensland Diamantina Institute, The University of Queensland

Maintaining Homeostasis: Sensory Functions Linking Epithelial and Immune cells

2.00PM – 3.00PM

BIG Session II

Chair: Associate Professor Tony Kenna

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Professor Glen Ulett, Griffith University

Regulatory crosstalk for resisting metal stress in pathogenic bacteria

Professor Sudha Rao, QIMR Berghofer Medical Research Institute

Unravelling novel epigenetic mechanisms underpinning SARS-CoV-2 infection and implications for novel epi-therapies

Professor Suresh Mahalingam, Menzies Health Institute Queensland (MHIQ), Griffith University

Intranasal universal COVID-19 vaccine

3.00PM – 3.15PM

Prizes and Closing Remarks

3.30PM

BUS DEPARTS FROM SURFERS PARADISE TO BRISBANE