PROGRAM

9:00 - 9:10  Welcome: Matt Sweet (IMB, UQ)

9:10 - 10:50  Metabolism and Inflammation (Chair: Matt Sweet)

Meredith O'Keeffe - Biochemistry & Molecular Biology, Monash University: 9:10 – 9:35 (25 min)
Interferon-lambda, DC & metabolism

Phil Hansbro - HMRI/University of Newcastle and Centenary Institute/UTS: 9:35 – 10:00 (25 min)
Mitochondrial oxidative stress and immunometabolism in COPD

Kirsty Short - SCMB, UQ: 10:00 – 10:25 (25 min)
Influenza virus and chronic medical conditions: a killer combination

Immune-Metabolic Alterations Beyond Hyperglycemia and Infectious Disease Risk in Diabetes: Insights from Studies Across Different Ethnicities

10:50 - 11:20  MORNING TEA

11:20 - 12:25  Imaging inflammation (Chair: Jenny Stow)

Alpha Yap - IMB, UQ: 11:20 – 11:45 (25 min)
Epithelia: their first line of defence against the challenge of apoptosis

Adam Wall - IMB, UQ: 11:45 – 12:00 (15 min)
Rab Regulation of Ruffling and Macropinocytosis during TLR activation in macrophages

David Hume - Mater Research-UQ: 12:00 – 12:25 (25 min)
Imaging macrophages and regulation of Csf1r gene expression

12:25 - 1:30  LUNCH
1:30 - 3:00  **Fibrosis and wound healing** (Chair: Abishek Iyer)

*Allison Cowin* - University of South Australia: 1:30 – 1:55 (25 min)  
*Cytoskeletal regulation of wound healing and inflammation*

*Divya Ramnath* - IMB, UQ: 1:55 – 2:10 (15 min)  
*Mapping steatosis-independent and steatosis-driven gene signatures associated with chronic liver disease*

*Kelli MacDonald* - QIMRB: 2:10 – 2:35 (25 min)  
*Targeted Rock2 inhibition suppresses and reverses liver fibrosis*

*Glenda Gobe* - SBMS, UQ: 2:35 – 3:00 (25 min)  
*Role of cGMP and its signaling pathways in kidney fibrosis*

3:00 - 3:30  **AFTERNOON TEA**

3:30 - 4:50  **Cellular and molecular mechanisms of inflammation** (Chair: Kate Schroder)

*Ranjeny Thomas* - UQ-DI, UQ: 3:30 – 3:55 (25 min)  
*Role of bacteria, macrophages and IL-23 in the pathogenesis of spondyloarthritis in SKG mice*

*Ken Loh* - IMB, UQ: 3:55 – 4:10 (15 min)  
*Controlling activation of a GPCR in allergic asthma*

*Amy Chan* - IMB, UQ: 4:10 – 4:25 (15 min)  
*Mechanisms of Caspase-4 Activation*

*James Vince* - WEHI: 4:25 – 4:50 (25 min)  
*Post-translational control of inflammasome signalling*

4:50 - 5:00  **Close**: Kate Schroder (IMB, UQ)

5:00 - 6:00  **Mixer**

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**Symposium organizers:**

- **Professor Matt Sweet**  
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- **A/Professor Kate Schroder**  
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- **Professor Jenny Stow**  
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- **Professor David Fairlie**  
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