



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

IMB

Institute for Molecular Bioscience

CENTRE FOR INFLAMMATION AND DISEASE RESEARCH ANNUAL SYMPOSIUM



FREE REGISTRATION
9.00 am — 5.30 pm
23 November 2015
RSVP essential for catering



Qld Bioscience
Precinct
Building 80
UQ St Lucia



[imb.uq.edu.au/
CIDRsymposium2015](http://imb.uq.edu.au/CIDRsymposium2015)

PROGRAM

- 9:00 - 9:05 **Welcome:** Matt Sweet (IMB, UQ)
- 9:05 - 10:55 **Molecular and Genetic Drivers of Inflammation** (Chair: Jenny Stow)
- Matt Sweet (IMB, UQ): 9:05 – 9:35 (30 min)
 CIDR research: past, present and future
- Abishek Iyer (IMB, UQ): 9:35 – 9:50 (15 min)
 *Protease-PAR2 signalling reprograms cell metabolism leading to
 inflammation in human epithelial cells*
- Jelena Bezbradica (IMB, UQ): 9:50 – 10:05 (15 min)
 Negative regulation of the inflammasome pathway
- Iulia Oancea (Mater Research): 10:05 – 10:20 (15 min)
 Paracetamol induced liver injury is alleviated by blocking E-selectin
- Zoe Schofield (IMB, UQ): 10:20 – 10:35 (15 min)
 *Acetate protects the intestine from ischemia reperfusion injury through FFA2
 dependent and independent mechanisms*
- Joseph Powell (IMB, UQ): 10:35 – 10:55 (20 min)
 Functional mechanisms of complex disease susceptibility
- 10:55 - 11:30 MORNING TEA
- 11:30 - 12:30 **Targets for inflammation-related diseases** (Chair: Matt Sweet)
- Jenny Gamble (Centenary Institute): 11:30 – 12:00 (30 min)
 A drug targeting vascular leak: effects on tumour immunotherapy
- John Hamilton (Department of Medicine, University of Melbourne):
 12:00 – 12:30 (30 min)
 *GM-CSF as a target in inflammatory/autoimmune disease: current evidence &
 therapeutic potential*
- 12:30 - 1:30 LUNCH

1:30 - 3:00

Liver disease: pathological drivers and therapeutic targets (Chair: David Fairlie)

Geoff Farrell (ANU Medical School, The Canberra Hospital): 1:30 – 2:00 (30 min)

Inflammatory mechanisms in NASH: roles of TLR4 and NLRP3 inflammasome

Kelli MacDonald (QIMRB): 2:00 – 2:20 (20 min)

CSF-1 dependent Ly6clo monocytes are critical mediators of fibrosis

Grant Ramm (QIMRB): 2:20 – 2:40 (20 min)

Hepatic stellate cell - liver progenitor cell interaction drives inflammation associated with fibrogenesis and regeneration in chronic liver disease

Antje Blumenthal (Diamantina Institute, UQ): 2:40 – 3:00 (20 min)

Deletion of Wntless in myeloid cells exacerbates liver fibrosis and the ductular reaction in chronic liver injury

3:00 - 3:15

AFTERNOON TEA

3:15 – 4:05

Myeloid cells and Inflammation (Chair: Kate Schroder)

Prue Hart (Telethon Kid's Institute): 3:15 – 3:45 (30 min)

UV irradiation of skin alters the phenotype and function of myeloid cells from the bone marrow

Kristen Radford (Mater Research): 3:45 – 4:05 (20 min)

Humanised mice as a model to study dendritic cell function

4:05 - 4:10

Close: Kate Schroder (IMB, UQ)

4:10 - 5:30

Mixer

Symposium organizers



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