

MBSIG 2023 Cairns

Methods and real-world applications of mathematical biology

Date: Friday 10th February (week of ANZIAM)

Location: Cairns RSL Club, 115-119 The Esplanade, Cairns, Queensland, Australia 4870
(Note Cairns RSL club is only a short 10 minute walk from Pullman Cairns International).

Organisers: Dr Adrienne Jenner (QUT), Dr Ryan Muphy (QUT), Dr David Warne (QUT)

- 08:15-08:30** Arrival
- 08:30-08:45** Welcome
- 08:45-09:10** Dr Meagan Carney, University of Queensland
“Supervised and unsupervised methods for detecting gene signatures in applications of SARS-CoV-2”
- 09:10-09:35** Dr Matthew Adams, Queensland University of Technology
“Analysis of model sloppiness: unveiling parameter uncertainty when mathematical models are fitted to data”
- 09:35-10:00** Dr David Warne, Queensland University of Technology
“Modelling and uncertainty quantification for coral reef health indicators”
- 10:00-10:30** Morning tea
- 10:30-11:00** MBSIG Best paper prize talk: Adriana Zanca, University of Melbourne
“Push or pull? Cell proliferation and migration during wound healing”
- 11:00-11:30** Jennifer Flegg, University of Melbourne
“Spatiotemporal modelling of prevalence data with applications to malaria”
- 11:30-12:00** Panel discussion with invited speakers
Chair: Professor Michael Plank
- 12:00-12:30** AGM
- 12:30-13:30** Lunch and Close