

# Neuroscience Institute Autumn Symposium 21.10.2022

## Workshop 4: Functional readout of biological processes 12 - 12.45pm

### About the workshop:

An overview of the experimental approaches and tools used to investigate the mechanisms underpinning cellular, organ and animal/human physiological responses, with a focus on electrophysiology, 2P imaging, computational modelling.

### Speakers:



Prof Marysia Placzek, Prof Fiona Boissonade, Dr Milena De Felice,  
Prof Walter Marcotti, Dr Andrew Lin

### What will you learn?

- Experimental techniques used to study neural activity
- Understanding the power of computational analysis of neural activity and behavioural data
- Methods and models in pain research including identification of biomarkers and
- Transcriptomic analysis
- AAV gene-based approaches to tackle sensory disorders