



AUSTRALASIAN CHRONOBIOLOGY SOCIETY

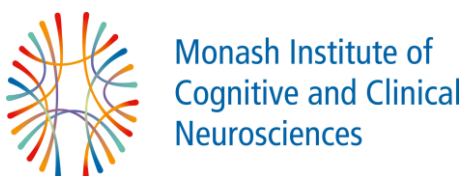
14th Annual Scientific Meeting – ‘Island Time’
October 23rd – 24th 2017
Waiheke Island, New Zealand



**MEDICAL AND
HEALTH SCIENCES**



COLLEGE
OF HEALTH
TE KURA HAUORA TANGATA



Monday 23rd October**3:00 pm** Registration**4:00 pm** Keynote Address from Professor Russell Foster –
'*Light Signalling Pathways to the Molecular Clockwork*'**4:45 pm** Honours talks

Katya Kovac - Groggy, dazed and confused: the impact of anticipating an important task when on-call on sleep inertia

Victoria King - Effect of chronic inflammation on circadian rhythms in the preterm fetus

Angus Burns - Circadian phase influences dissociable sub-processes of perceptual decision making

5:00 pm Welcome Drinks**Tuesday 24th October****Time** Speakers & Titles**9.00am** Keynote Address from Professor Steve Kay -
'*High throughput biology approaches to developing circadian therapeutics*'

Shantha Rajaratnam - Circadian Timing and Health

Oliver Rawashdeh - A method to analyse the rhythmicity and localization of the hippocampal phosphoproteome

Phillipa Gander - Measuring Circadian Disruption Across Multiple Trans-Meridian Flights

Sean Cain - Is boosting light input to the clock an antidepressant therapy?

11:00 am Morning Tea**11:20 am** Raewyn Poulsen - Altered NMDA receptor expression in osteoarthritis causes changes to the chondrocyte-intrinsic circadian clock and induces disease-associated changes in chondrocyte phenotype

Martin Sayers Knapp - What time for single daily administration of medication? The role of n=1 studies, Bayesian statistics and Kalman Filtering.

Greg Willis – Title TBC

James Cheeseman – Title TBC

Grace Vincent - Is physical activity a countermeasure for sleep restriction?

Michele Lastella - Morningness-Eveningness Questionnaire in a nutshell

12:50 pm Lunch**1:35 pm** Invited speaker Shin Yamazaki - '*Extra-SCN Circadian Pacemakers in Mammals*'Geoffrey Thompson - Mutagenic Dissection of Flowering Time Loci in *Medicago truncatula*

Charlotte Gupta - Investigating the impact of 'meal inertia' on attention during a simulated nightshift

Michelle Yvonne Coleman - Circadian timing in unmedicated major depressive disorder: The association with mood

Madeline Sprajcer - Does worry about missing the alarm during an overnight on-call period negatively affect sleep and cognitive performance in a laboratory environment?

Yaroslava King - Immediate stress levels of parents undertaking infant sleep interventions

William McMahon - Sleep deprived cognitive performance during the wake maintenance zone depends on cognitive domain

Lauren Watson - Increased variability of circadian phase in people with delayed sleep wake phase disorder compared to healthy controls

Julia Stone - Machine learning approach to predict circadian phase using light and skin temperature in normal living conditions

Elise McGlashan - Circadian sensitivity to light in unipolar depression: A pilot study

3:35 pm Afternoon tea**3:55 pm** Lucia Du - Shedding light on immunity: The light-dependent response of innate immune cells during bacterial infectionJia Zhao - Peripheral but not central clock components decline with age in *Drosophila melanogaster*Dongni Li - How general anaesthesia effect circadian clock in *Drosophila*

Alma Orts-Sebastian - A phase response curve for the general anaesthetic isoflurane in mice

Nathan Skinner - Impact of circadian disruption on central leptin and insulin sensitivity

Alisa Boucsein - Daily rhythms of leptin action

Leilah Grant - Inter-individual differences in the circadian modulation of the human plasma polar metabolome

Nicola Ludin - Effects of general anaesthesia on PER2::LUC rhythms in the SCN and on human circadian markers following surgery

5:00 pm End of talks**7:00 pm** Arrival at Goldies Estate for Massey University Conference Dinner

7:20 pm Student Award Presentation

7:30 pm Dinner start