

Hypothalamic Neuroscience and Neuroendocrinology Australasia Symposium

Thursday 2nd December 2021

Virtual (Melbourne-based @ KMB auditorium; CNE-base @; Sydney-based at UNSW Mathews Building Room 1616)

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Time (AEDT)	Details
8:50	Welcome and Introduction: Zane Andrews
9.00am –11.00am	Opening Plenary Session: Chair: Kathy Mountjoy 30 mins + 10 mins question
9:00am-9:40am	Brad Lowell, Harvard, USA “The Neural Basis for Hunger”
9:40am-10:20am	Alex Caron, University of Laval, Canada “Interactions between Nordic environment and Chronobiotics: impact on cardiometabolic and neurometabolic health”
10:20am-11am	Joel Elmquist, UT Southwestern, USA “Using mouse genetics to unravel the roles of melanocortin peptides in regulating metabolism”
11.00-11.25pm	Break
11.25am-1.00pm	Session 1: Chair - Denovan Begg, UNSW, Australia X4 short talks (ST; 20mins each) x2 data blitz (DB; 7 mins each) 94 mins
	Garron Dodd, University of Melbourne, Australia ST “Targeting the hypothalamic extracellular matrix to treat metabolic disease”
	Kathy Mountjoy, University of Auckland, New Zealand ST “A novel signaling signature for obesogenic constitutively active hMC4R variants”
	Yue Qi, Garvan Institute, Australia ST “AgRP negative arcuate NPY neuron drive feeding under positive energy balance”
	Emmet Power, University of Otago, New Zealand ST “Estrous cycle dependent changes in hypothalamic CRH neuron excitability”
	Kaj Kamstra, University of Otago, New Zealand DB “(Zebra)fishing for answers: what is the original function of leptin?”
	Caitlin Mitchell University of NSW, Australia DB “Vertical sleeve gastrectomy does not prevent AgRP-mediated feeding”

1.00pm-1.30pm	Break
1.30-3.10pm	Session 2 : Chair - Sarah Spencer, RMIT Australia X2 short talks (20mins each) X8 data blitz (7 mins each) 96 mins
	Jeremy Smith University of Western Australia, Australia ST "Estradiol replacement ameliorates the obesity seen in kisspeptin receptor knockout mice"
	Teo Georgescu, University of Otago, New Zealand ST "Prolactin-mediated restraint of maternal aggression in lactation"
	Aisha Sati, University of Otago, New Zealand DB "Microglia shape the polycystic ovary syndrome-like brain"
	Caroline Decourt, University of Otago, New Zealand DB "Androgen receptor deletion from kisspeptin neurons in a mouse model of PCOS"
	Mohammed Rizwan, University of Otago, New Zealand DB "Region-specific deletion of beta-catenin leads to impaired glucose tolerance and increased bodyweight"
	Michael Perkinson, University of Otago, New Zealand DB "Visualising oxytocin neuron activity in freely behaving lactating mice"
	Romana Stark, Monash University, Australia DB "Hunger sensing via the olfactory bulb affects behaviour and metabolism"
	Sajida Malik, RMIT, Australia DB "Fever generation in the absence of microglia in hypothalamus"
	Xavier Maddern, Florey Institute of Neuroscience and Mental Health, Australia DB "Sex differences in the role of cocaine- and amphetamine-regulated transcript in binge drinking"
	Luba Sominsky, Deakin University, Australia DB "Targeting inflammation to improve maternal mental health"
3.10pm-3.30pm	Break
3.30-5.20pm	Session 3: Chair - Robyn Brown, University of Melbourne X4 short talks (20mins each) X3 data blitz (7 mins each) 101 mins
	Sharon Ladyman University of Otago, New Zealand ST "Prolactin regulation of warm sensitive neurons promotes thermal tolerance during pregnancy"

	Erin Campbell, Florey Institute of Neuroscience and Mental Health, Australia ST "Relapse to alcohol-seeking following voluntary abstinence in male and female rats"
	Zhi Yi Ong University of NSW, Australia ST "Hindbrain - midbrain control of cue-induced appetitive behaviours"
	Nicholas Everitt, University of Sydney, Australia ST "Targeting the oxytocin system to treat methamphetamine addiction"
	Lizzie Manning, University of Newcastle, Australia DB "New insights on hypothalamic control of motivation"
	Roberta Anversa, Florey Institute of Neuroscience and Mental Health, Australia DB "A distinct thalamo-cortical pathway gates stress-induced overeating in female mice"
	Claire Foldi, Monash University, Australia DB "Insights into the therapeutic efficacy of psilocybin for anorexia nervosa from the activity-based anorexia rat model"

