YPD 09: Draft Scientific Program — Tuesday, 17 November 2009

Wednesday 2nd December	Thursday 3rd December	Friday 4th December
9.00 am Registration and Welcome	9.00 am	9.00 am
10.00 am **1. Molecular Cell Biology** Chair: Trevor Lithgow **Trevor Lithgow**, Monash University Yeast as *the* model for mitochondrial biogenesis **Kate Howell**, University of Melbourne Understanding the biological functions of ceramides and sphingolipids using *Saccharomyces cerevisiae*; structural requirements, stress signaling and protein trafficking **Sylvie Callagari**, University of South Australia Identifying pharmacogenetic candidates for statin-induced muscle toxicity using yeast **Hongyuan Robert Yang**, UNSW "Supersized" lipid droplets and phospholipids	**4. Molecular Biology: Signalling** Chair: Jorg Heierhorst **Alan Munn**, Griffith University 3D structure of a yeast AAA-ATPase complex important for membrane protein sorting in endosomes and whose human ortholog plays a critical role in viral infection **Nicolas Hoch**, St Vincent's Institute, Melbourne The Rad53-SCD1 as a phospho-counting switch to fine-tune the checkpoint response to the strength of the DNA damage signal **Brendon Monahan**, CSIRO, Melbourne SWI/SNF chromatin remodeling complexes: new insights from fission yeast **Evelyn Sattlegger**, Massey University Starvation versus Memory: What can yeast tell us about Yih1 mediated regulation of protein kinase Gcn2?	**7. Responses to environmental changes** Chair: Grant Stanley **Brian Monk**, University of Otago Mechanism of echinocandin resistance in Candida glabrata **Tina Tran**, Aust Wine Research Institute and Victoria University (Aust) Identifying and Characterising Genes That Confer the Ethanol Tolerance Phenotype in *Saccharomyces cerevisiae* **Xianning Lai**, St Vincent's Institute, Melbourne Telomere and nonsense-mediated mRNA decay (NMD) independent DNA damage response functions of two newly identified yeast hEST1A/SMG6-like (ESL) proteins **Rod Devenish**, Monash University A late form of nucleophagy in *Saccharomyces cerevisiae*
11.30 – 12.00 Break	10.30 – 11.00 Break	10.30 – 11.00 Break
12.00 pm **2. Medically Important Yeast** Chair: Wieland Meyer **Elaine Blignaut**, University of Sydney Epidemiology and antifungal surveillance of oral yeasts: the situation in South Africa **Wieland Meyer**, University of Sydney Population genetics of the emerging human pathogenic yeasts *Candida glabrata and Candida krusei* **Julie Djordjevic**, Westmead Hospital, Sydney University Phospholipase C1: a key regulator of virulence-related signaling in the AIDS pathogen *Cryptococcus neoformans* **James Fraser**, University of Queesland GTP biosynthesis and drug resistance in the fungal pathogen *Cryptococcus neoformans* **Prashant Bharadwaj**, CSIRO, Melbourne Yeast as a model for studying Alzheimer's beta peptide	11.00 am **5. Industrial Yeast I** Chair: Vince Higgins **Richard Gardner**, University of Auckland Temperature tolerance of growth and fermentation **Philip Bell**, Microbiogen Novel yeasts to enable a cellulosic food and fuel biorefinery **Vince Higgins**, University of Western Sydney Understanding the molecular mechanisms involved in zinc deficiency using *Saccharomyces cerevisiae* and microarray technology **Anthony Borneman**, Aust Wine Research Institute Genome sequencing and comparative genomics of industrial *Saccharomyces cerevisiae* strains 12.30 – 1.00 pm Lunch **1.00 – 4.00 pm** **WINERY VISIT** **Wirra Wirra – Hosted by Tim James** **Chapel Hill – Hosted by Bryn Richards/Michael Fragos**	11.00 am **8. Evolution & Ecology** Chair: Mat Goddard **Chris Curtin**, Aust Wine Research Institute *Dekkera bruxellensis* wine strains are genetically diverse and exhibit differences in tolerance to the common wine preservative sulphite **Jeremy Gray**, University of Auckland Adaptation to New Environments in the Presence of Migration: Is Sex of Benefit? **Diana Leemon**, Queensland Primary Industries & Fisheries Have we a symbiotic yeast here? **Mat Goddard**, University of Auckland The Ecology of *S. cerevisiae*
1.30 – 2.30 Lunch		12.30 – 1.30 pm Lunch
2.30 pm **3. 'Omics & beyond** Chair: Marc Wilkins (UNSW) **Justin O'Sullivan**, Massey University Re-constructing the yeast nucleus using post-genomic technologies **David Bellows**, Victoria University, NZ Sea Cucumber Makes a Lethal Finger Sandwich: Using Chemogenomics in Yeast to Explore Mollisoside Mode of Action **Cristian Varela/Simon Schmidt**, Aust Wine Research Institute Systems Biology: a new approach to industrial yeast strain development **Marc Wilkins**, UNSW The Role of Protein Methylation in the Interactome	4.30 pm **6. Industrial Yeasts II** (To be held at Ben Chaffey Gallery, Mclaren Vale) Co-Chairs: Peter Rogers (Fosters) and Paul Henschke (AWRI) **Michelle Walker**, University of Adelaide Progress towards improvement of industrial yeast for the wine industry **Toni Cordente**, Aust Wine Research Institute Identification and characterization of a novel flavour enhancing gene in *Saccharomyces cerevisiae*: *STR3* **Alison Soden**, Fosters Wine Estates Tutored tasting of wines made with novel yeast	1.30 pm **9. Molecular Biology: gene expression** Chair: Thomas Preiss (Victor Chang CRI) **Traude Beilharz**, Victor Chang Cardiac Research Institute. What the length of the poly(A)-tail tells us about RNA metabolism **Ana Traven**, Monash University The Ccr4-Pop2 mRNA deadenylase regulates morphogenesis in the human fungal pathogen *Candida albicans* **Joyce Chiu**, UNSW Cell-cycle sensing of oxidative stress in *Saccharomyces cerevisiae* by oxidation of a specific cysteine residue in the transcription factor Swi6p **Alex Andrianopoulos**, University of Melbourne Title – to be advised
4. 00 – 6.00 pm **Posters & Social gathering** (Charles Hawker Conference Centre)	7.00 pm **Conference Dinner** Ben Chaffey Gallery, Mclaren Vale	3.00 pm Close