



AMS/ASM Joint Scientific Meeting

Final Program

4-5th July 2018, Brisbane



Wednesday 4th July 2018

Brisbane Convention and Exhibition Centre, South Bank

7:30 – 8:30 am	Registration and sign-in (see ASM program for more speaker information)
8:30 – 10:00 am	Medical Mycology Chair: Ana Traven Karl Kuchler – <i>Out of control – Ablation of the Candida albicans Histone Chaperone HIR Drives Fungal Hypervirulence</i> Julianne Djordjevic - <i>Virulence-promoting non-protein kinases: Mechanism of action and exploitation as antifungal drug targets</i> Ana Traven - <i>Metabolic control of host-pathogen interactions in fungal infection</i> Kumar Selvarajoo - <i>Transcriptome-wide Statistical Structure in Saccharomyces cerevisiae Biofilm</i> Laszlo Irinyi - <i>Recent progresses in fungal DNA barcoding</i> Brianna Steed - <i>Switching it up: Purification of fungal SWI/SNF complexes reveals compositional differences from their yeast counterparts</i>
10:00 – 10:30 am	Morning tea
10:30 – 11:50 am	Fungal Ecology & Taxonomy Chairs: Julianne Djordjevic & Laszlo Irinyi Michael McDonald - <i>Experimental co-evolution of Yeast</i> Joanne H Connolly - <i>Mucormycosis in the platypus and the amphibian</i> Kaylene Bransgrove - <i>Tropical fungal endophytes, mountain islands and host preference</i> Linda Henderson - <i>Copper (II) Lead (II) and Zinc (II) reduce the growth, zoospore production and attachment rate to organic substrates of three species of zoosporic fungi from soils of NSW</i> Ali Bahkali - <i>Marine fungi of Saudi Arabia</i> Edward D Kerr - <i>Fermenting Yeasts and Where to Find Them</i>
12:00 – 12:45 pm	ASM Plenary speaker: <i>Karl Kuchler (Medical University of Vienna), Fungal Host-Pathogen Interactions – The Winner Takes All</i>

1:00 – 2:00 pm	Lunch	
2:00 – 3:30 pm	Eukaryotic Microbes Workshop <i>Cool tools for studying eukaryotic microbes</i>	OR: Fungal Foray at Mt Coot-tha Meet in foyer of Rydges Southbank at 1:30pm , returning at 5:00pm. Contact John Dearnaley for more information and to register: john.dearnaley@usq.edu.au
3:30 – 4:00 pm	Afternoon tea	
4:00 – 4:30 pm	Eukaryotic Microbes SIG AGM	
6:30 – 10:00 pm	AMS Meeting Dinner <i>Alchemy Restaurant & Bar: 175 Eagle St, Brisbane.</i> <i>Cost: \$78.00 pp. Register on our website.</i>	

Thursday 5th July 2018
Sir Llew Edwards Building, University of Queensland, St Lucia

8:00 – 9:00 am	Registration and sign-in
9:00 – 9:10 am	Welcome and Introduction – <i>Leona Campbell (AMS President)</i>
9:10 – 10:00 am	AMS Plenary Speaker: <i>Prof. Rytas Vilgalys (Duke University), Metagenomic study of introduced soil fungal communities associated with Australian and New Zealand exotic pine plantations</i>
10:00 – 10:30 am	Morning Tea
10:30 – 12:10 pm	Symposium 1 – Systematics Chair: Roger Shivas Julia Kruse - <i>Broad host range species in specialised pathogens should be treated with suspicion – A case study in Entyloma reveals a high, host-correlated diversity in pathogens infecting Ranunculus</i> Beau Picking - <i>High Throughput Sequencing for Species Delimitation of Morphologically Cryptic Species of Cortinarius</i> Genevieve Gates - <i>Preliminary investigations into lepiotaceous fungi of Tasmania</i> Peter Buchanan - <i>Bringing Species Discovery and Indigenous Knowledge about Fungi to School Students</i>

	<p>Nigel Fechner - <i>Maximising Outcomes in Taxonomic Endeavour: Bolete Diversity in Focus</i></p> <p>Levente Kiss - <i>How to approach the systematics of generalist, but genetically differentiated, fungi? A case study in Ampelomyces, intracellular mycoparasites and biocontrol agents of powdery mildews</i></p> <p>Roger Shivas - <i>Cryptic species of Australian fungal plant pathogens unmasked</i></p>
12:10 – 1:10 pm	<p>Lunch</p> <p>Poster session</p>
1:10 – 2:50 pm	<p>Symposium 2 – Fungicides, Antifungals and Resistance</p> <p>Chair: Dee Carter & Richard Cannon</p> <p>Aidan Kane – <i>The effect of fluconazole and isoprenoid inhibitors on yeast pathogens</i></p> <p>Mario Garcia Solis – <i>Repurposing AHAS-inhibiting herbicides for the treatment of human fungal pathogens</i></p> <p>Fran Lopez – <i>The needle in the haystack: early detection of fungicide resistance in crop pathogens</i></p> <p>Amanda McColl – <i>Resistance to the Plant Defensin NaD1 is Mediated Through Modifications to the Cell Wall and Osmo-Regulation in Yeast</i></p> <p>Erwin Lamping – <i>Structural and functional insights into fungal pleiotropic drug resistance transporters</i></p>
2:50 – 3:20 pm	<p>Afternoon tea</p>
3:20 – 5:10 pm	<p>Symposium 3 – New Horizons in Fungal Research</p> <p>Chair: Ben Schultz</p> <p>Claudia Vickers – <i>New tricks for an old yeast: Synthetic biology tools for engineering metabolic pathways and networks</i></p> <p>Dariusz Kutyna – <i>Constructing a synthetic Saccharomyces cerevisiae pan-genome neo-chromosome</i></p> <p>Tracey Steinrucken – <i>Making the most of the old and the new: Illumina sequencing, genetic fingerprinting and isolations from a healthy and diseased host plant</i></p> <p>Amelia-Grace Boxshall – <i>If it's yellow, let it mellow: Investigating toxicity variation in southern Australian yellow-staining Agaricus in a phylogenetic context</i></p>
5:10 – 5:30 pm	<p>Closing ceremony and awards – <i>Leona Campbell & Jemima Wixted</i></p>