


## Preliminary Program

*Draft program as at 05 July 2017, subject to change  
Symposium speakers will be included in the next program draft*








### Monday 20 November 2017

08:15 – 08:30	<b>Conference opening</b> Prof Robert Henry, Professor of Innovation in Agriculture, Director of the Queensland Alliance for Agriculture and Food Innovation (QAAFI), Chair, TropAg2017 International Advisory Committee				
08:30 – 09:15	<b>Keynote presentation</b>				
	<b>Closing the Tropical Land Frontier: The Roles of Globalization and Intensification</b> <b>Derek Byerlee</b> , School of Foreign Service, Georgetown University, USA				
09:15 – 10:00	<b>Keynote presentation</b>				
	<b>Biodiversity and Food and Nutrition Security: Drivers of Food choices for Dietary Diversification for improved health and nutrition for vulnerable populations</b> <b>Prof Judith Kimiywe PhD CNS</b> , Nutritionist, Researcher and consultant, Department of Food, Nutrition and Dietetics, Kenyatta University, Kenya				
10:00 – 10:30	Morning tea				
10:30 – 12:30	<b>Concurrent symposium session 1</b>				
	<p><b>1.1 Photosynthesis in the field: Phenomics, genomics, and modelling</b> Prof Graeme Hammer, Queensland Alliance for Agriculture and Food Innovation (QAAFI); ARC Centre of Excellence for Translational Photosynthesis</p> <p>Supported by</p> 	<p><b>1.2 Ensuring the health and growth of horticulture</b> Prof André Drenth, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p>	<p><b>1.3 Harnessing advances in livestock science to deliver sustainable development goals</b> Dr Shirley Tarawali, International Livestock Research Institute</p>	<p><b>1.4 Indigenous foods for diet diversification</b> A/Prof Yasmina Sultanbawa, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p>	<p><b>1.5 Systems approaches for sustainable intensification: Lessons learned and opportunities</b> P. V. Vara Prasad, Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification (SIIL)</p>
12:30 – 13:30	Lunch and poster session				
13:30 – 15:30	<b>Concurrent symposium session 2</b>				
	<p><b>2.1 Genes, phenes and flying machines</b> Prof David Jordan, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p>	<p><b>2.2 Market-driven approaches to plant breeding in tropical horticultural crops</b> Dr Vivienne Anthony, Syngenta Foundation for Sustainable Agriculture</p>	<p><b>2.3 Diagnostic platforms - from dreams to reality</b> Prof Ala Tabor, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p> <p>Supported by</p> 	<p><b>2.4 Food safety, authenticity and adulteration in global food supply chains</b> A/Prof Yasmina Sultanbawa, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p>	<p><b>2.5 Opportunities and constraints in intensifying agriculture in tropical Australia</b> Dr Andrew Ash, CSIRO</p>





Monday program continued overleaf

15:30 – 16:00	Afternoon tea				
16:00 – 18:00	<b>Concurrent symposium session 3</b>				
	<b>3.1 Drought Risk Management - connecting science and policy</b> Prof Roger Stone, International Centre for Applied Sciences	<b>3.2 Remote sensing in agriculture and horticulture</b> Dr Andries Potgieter, Queensland Alliance for Agriculture and Food Innovation (QAAFI) Assoc Prof Andrew Robson, University of New England	<b>3.3 Designing animal genomes for the tropics</b> Prof Ben Hayes, Queensland Alliance for Agriculture and Food Innovation (QAAFI) Supported by 	<b>3.4 Food: The key to health and wellbeing</b> Dr Chris Siow, Agriculture and Agri-Food Canada	<b>3.5 Managing climate risk and trades offs in agriculture</b> A/Prof Daniel Rodriguez, Queensland Alliance for Agriculture and Food Innovation (QAAFI)
18:00 – 20:00	Reception and poster presentation evening				




## Tuesday 21 November 2017

06:45 – 08:30	Rural Press Club Breakfast				
08:30 – 09:15	Keynote presentation				
	<b>Targeted plant breeding applications of CRISPR-Cas technology</b> <b>Jerry Flint</b> , Vice President, Industry Affairs and Regulatory (IA&R), DuPont Pioneer, USA				
09:15 – 10:00	Keynote presentation				
	<b>The contributions of animal-source food to sustainable, safe, ethical and optimal human diets</b> <b>Robyn Alders</b> , Principal Research Fellow, Faculty of Veterinary Science, The University of Sydney, Australia				
10:00 – 10:30	Morning tea				
10:30 – 12:30	Concurrent session symposium 4				
	<b>4.1 Accelerated data gathering for modern agriculture</b> Michael Thomson, CQUniversity  Supported by  	<b>4.2 The future of genomic selection in crops, horticulture and livestock</b> Prof Ben Hayes, Queensland Alliance for Agriculture and Food Innovation (QAAFI)	<b>4.3 Biofortification of horticultural crops for human health</b> Dr Tim O'Hare, Queensland Alliance for Agriculture and Food Innovation (QAAFI)	<b>4.4 Antimicrobial resistance and food animal production systems – global, regional and national perspectives</b> Prof Pat Blackall, Queensland Alliance for Agriculture and Food Innovation (QAAFI)  Supported by 	<b>4.5 Smallholder participation in global value chains: Implications for inclusive and sustainable agricultural development</b> Prof Rob Cramb, The University of Queensland
12:30 – 13:30	Lunch and poster session				
13:30 – 15:30	Concurrent session symposium 5				
	<b>5.1 Next Gen Scientist: What's your move?</b> DuPont Pioneer student-led plant sciences symposium Part I Technical Challenges  Supported by  	<b>5.2 Biorefineries - value adding to agriculture by producing fuels, chemicals and feeds from agricultural crops and residues</b> Prof Ian O'Hara, Queensland Government Department of State Development  Supported by  	<b>5.3 Tropical pulses rising to meet future demands</b> Dr Rex Williams, Queensland Department of Agriculture and Fisheries (DAF)	<b>5.4 Profitable tropical and subtropical orchards</b> A/Prof Jim Hanan, Queensland Alliance for Agriculture and Food Innovation (QAAFI)	<b>5.5 Growing tropical aquaculture</b> Prof Dean Jerry, James Cook University
15:30 – 16:00	Afternoon tea				

Tuesday program continued overleaf

16:00 – 18:00		Concurrent session symposium 6			
	<p><b>6.1 Next Gen Scientist: What's your move?</b> DuPont Pioneer student-led plant sciences symposium Part II Career Challenges</p> <p>Supported by</p>  	<p><b>6.2 Emerging trends and opportunities for engineering technologies in tropical agriculture</b> Prof Craig Baillie, University of Southern Queensland</p> <p>Supported by</p>  <p>Queensland Government</p>  <p><b>AgFutures</b> Showcasing agri-technology and investment in agriculture.</p>	<p><b>6.3 Climate change-ready rice</b> Antonio Costa de Oliveira, Federal University of Pelotas, Plant Genomics and Breeding Center, Brazil</p>	<p><b>6.4 Enhancing the efficiency of rumen fermentation in tropical systems</b> Dr Luis Felipe Prada e Silva, Queensland Alliance for Agriculture and Food Innovation (QAAFI)</p>	<p><b>6.5 Regulatory oversight of plants and animals developed through new breeding innovations</b> Mr Osman Mewett, CropLife Australia</p>
18:00 – 19:00	TropAg2017 Research Partners, UNTA VC's & Keynote Speakers VIP reception				
19:00 – 23:00	TropAg2017 conference dinner				

# Wednesday 22 November 2017

08:30 – 09:15	<b>Keynote presentation</b>				
	<b>The Mediterranean Diet: A healthy and traditional dietary pattern embedded in a sustainable food system</b> <b>Lluís Serra-Majem</b> , Professor of Preventive Medicine & Public Health and Director of the Research Institute of Biomedical and Health Sciences, University of Las Palmas de Gran Canaria, Canary Islands				
09:15 – 10:00	<b>Keynote presentation</b>				
	Speaker to be confirmed				
10:00 – 10:30	Morning tea				
10:30 – 12:30	<b>Concurrent symposium session 7</b>				
	<b>7.1 AgFutures: Can nanotechnology set the scene?</b> Prof Neena Mitter, Queensland Alliance for Agriculture and Food Innovation (QAAFI)  Supported by  	<b>7.2 Sugarcane – constraints on production</b> Dr Frikkie Botha, Sugar Research Australia	<b>7.3 The role of animal welfare in tropical animal production</b> Prof Tim Mahony, The University of Queensland  Supported by 	<b>7.4 Rice: Diverse and delicious</b> Prof Melissa Fitzgerald, The University of Queensland	<b>7.5 Unlocking the potential of tropical crop diversity for future food security</b> Dr Ruth Bastow, Global Plant Council
12:30 – 13:30	Lunch and poster session				
13:30 – 14:15	<b>Keynote presentation</b>				
	<b>Approaches to tackling global crop production challenges</b> <b>Martin Kropff</b> , Director General, International Maize and Wheat Improvement Center (CIMMYT), México				
14:15 – 15:15	<b>Closing panel</b> Chair: Martin Kropff Panellists: Iain Gordon, Derek Byerlee, Robyn Alders, Judith Kimiywe				
15:15 – 15:30	Closing Comments				

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