**TropAg Symposium Speaker Program**

Brissbane Convention & Exhibition Centre, Brisbane, Australia

**Sunday 30 October 2022**

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<tr>
<th>Time</th>
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### Concurrent symposium session 3

**16:00–18:00**

**3.1 Market-led innovation – driving agricultural entrepreneurial in Africa and Asia**

**Chairperson:** Dr Vivienne Anthony, International Center for Tropical Agriculture (CIAT), Kenya

**Symposium in legumes in Africa**

*Ms Jean-Claude Bulmanyu, Pan Africa Bean Research Alliance (PBARA), Kenya*

*Extending the breeder’s equation to explore prediction opportunities*

*Prof Mark Cooper, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*Managing plant biodiversity in Pacific Island Countries*

*Prof John Thomas, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*Informal markets in the Solomon Islands – food prices, availability and opportunities for improving nutrition*

*Maria Tukio Wael, WorldFish, Solomon Islands*

*Moving beyond practice change for IQ improvement: The why*

*MH Ir Lopukeni, Department of Agriculture and Fisheries, Australia*

*The origins and spread of domestic animals in Southeast Asia and Europe*

*Prof Rachel Sibly, The University of Sydney, Australia*

**Symposium – committed to advancing innovation for a more sustainable agriculture**

*Ms Eri Brown, Sungeno, ANZ, Australia*

*From model systems to crops: Transferring prediction models*

*Dr David Powell, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*What funny beasts can teach us about working as a team towards effective breeding using bioinformatics in the indigenous Pacific region*

*Dr Cooper Schouler, Southern Cross University, Australia*

*Piloting school gardens in Papua New Guinea*

*Mrs Tuidle Sikaqio, Morobe School Garden, Papua New Guinea*

*Tracking practice change spatially and temporally – the Paddock2Reef Program*

*MV Kevin McCrudden, Department of Agriculture and Fisheries, Australia*

*The mosaic genome of African cattle: A unique adaptive genetic resource*

*Dr Claire McCann, International Livestock Research Institute (ILRI), Ethiopia*

**Market-led approaches to cocoa, palm oil and forest values: Investing in the World Cocoa Foundation Centre of Excellence in Cocoa of Côte d’Ivoire**

*Prof Sangare Abdourahamane, National Research Centre in Côte d’Ivoire oil and cassava variety breeding at the Market*

*Dr Eileen Nchanji, International Center for Tropical Agriculture:*  

*African women in agriculture – users and creators of new variables and innovation*

*Dr Elwin Nchao, International Center for Tropical Agriculture (CIAT), Kenya*

*Plant success within natural systems*  

* Assoc Prof Dorián Ortiz-Barrondo, The University of Queensland, Australia*

*Forest biodiversity: How can we mitigate risk?*  

*Dr Mahline Hayley, The University of Sunshine Coast, Australia*

*Tonga: local futures from Foodcubes to better diets*  

*Dr Dullas Salesa, University of Auckland, New Zealand*

*Using wetland processes to enhance nitrogen removal in farming landscapes*  

*Dr Diane Mayberry, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia*

*100,000 years of evolution of gene regulation: What does comparing the small and big brown garden webworm reveal?*  

*Dr Mehmett Foucar, The University of Queensland, Australia*

**ACIAR’s approach to supporting agricultural innovation systems in emerging economies**

*Dr Eric Redmore, ACIAR Centre for Agriculture and Food Innovation (ACIAR), Australia*

*Centre of Excellence partnerships and pathways to impact for circular biocycles*  

*Prof Calvina Miranda, The University of Florida, USA*

*Understanding the value of regional biosecurity*  

*Prof Tony Kempas, The University of Melbourne, Australia*

*Pacific Island Food Revolution: Innovating a Local Solution to combat health epidemics*  

*Mrs Valerie Rice-McKerron, Pacific Island Food Revolution, Vanuatu*

*Applying Social Science insights to enhance practice change outcomes*  

*MV Meg Eddie, Department of Environment and Science, Office of the Great Barrier Reef, Australia*

*Functional palaeogenomics reveals how farming drove the evolution of virulence in avian influenza virus*  

*Prof Dr Laurent Fritz, Ludwig Maximilian University Munich, Germany*

**Advances in developing breeding of grains and vegetable runner beans**

*Prof Dr Veronique Van, University of Namur, Namur, Belgium*

*CropGen: A novel tool for optimizing high-yield crop design*  

*Dr Mohammad Rashed, The University of Queensland, Australia*

*Understanding risks and experience of women managing FMD in maize in SEA*  

*Dr Andrew Ashburner, Asia Pacific Action Plan, Singapore*

*Participatory approaches to improve food environments and consumption of minor crops in East Asia*  

*Mrs Angelaiktta Duarte, WorldFish, Timor-Leste*

*Can insurance help farmers mitigate nitrogen impacts on the Great Barrier Reef?*  

*Dr Peter Thorburn, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia*

*Genetics architecture for complex traits in hybrid populations*  

*Dr Carla Wegscheidl, Department of Agriculture and Fisheries, Australia*

*The origins and spread of domestic animals in Southeast Asia and Europe*  

*Prof Rachel Sibly, The University of Sydney, Australia*

**3.2 Effective regional biosecurity for a changing world**

*Chairperson: Dr Anna Okeefe, Australian Centre for International Agricultural Research (ACIAR), Australia*

**3.3 Pacific food environments — transformations for better nutrition and sustainable food systems**

*Chairperson: Prof Sangare Abdourahamane, National Research Centre in Côte d’Ivoire oil and cassava variety breeding at the Market*

*Prof Olivier Hannote, International Centre for Tropical Agriculture (CIAT)*  

*The mosaic genome of African cattle: A unique adaptive genetic resource*

*Dr Claire McCann, International Livestock Research Institute (ILRI), Ethiopia*

*The origins and spread of domestic animals in Southeast Asia and Europe*  

*Prof Rachel Sibly, The University of Sydney, Australia*

**3.4 Pacific food environments — beyond practice change**

*Chairperson: Mr Timothy Mowbray, Department of Agriculture and Fisheries, Australia*

**3.5 Managing agricultural runoff**

*Chairperson: Prof Brian Hayes and Prof Andrew Fairbairn, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*Managing agricultural runoff – beyond practise change*  

*Dr Owen Powell, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia*

*Extending the breeder’s equation to explore prediction opportunities*  

*Prof Mark Cooper, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*Moving beyond practice change for IQ improvement: The why*  

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*The origins and spread of domestic animals in Southeast Asia and Europe*  

*Prof Rachel Sibly, The University of Sydney, Australia*

**3.6 Genomic signatures of animal domestication and implications for modern agriculture**

*Chairperson: Prof Brian Hayes and Prof Andrew Fairbairn, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAFI), Australia*

*The origins and spread of domestic animals in Southeast Asia and Europe*  

*Prof Rachel Sibly, The University of Sydney, Australia*
Tuesday 1 November 2022

Theme: Business, value chains and the biocycle

Predictive agriculture
Sustainable agri-systems
Healthy agriculture and food for healthy connection

AgriGen

Colloquium symposium session 4

10:30-12:00
4.1 Predicting crops in the tropics: How can we harness up for sustainability and supply chain?

Chairperson: Prof. Paul Geault, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

Recent advances in genomic prediction in dairy using multi-trait genomic resources Dr Anuker Chater, Agriculture Victoria Research, Australia

New opportunities in predicted cropping Dr Emily Rigby, Predicted Cropping, Australia

To be confirmed

New opportunities in predicted cropping Dr Emily Rigby, Predicted Cropping, Australia

To be confirmed

Beyond Geography: How the best solutions in the world are developed and transferred to the local context Dr Corinne Tyson, Independent Science for Development in Africa, Uganda

To be confirmed

National Vegetables Protecting Crop Diversity and Enhancing Production and Productivity: A case study from coastal Bangladesh Dr Md Mostafa Azad, Intelligent Growth Solutions, Bangladesh

To be confirmed

Potentials in commercialisation in cocoyam chaining Prof. Nancy Webby, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia

To be confirmed

In vitro culture of threatened species for research and restoration Dr Cathy Olliff, The Royal Botanic Gardens, Australia

To be confirmed

The frozen orchard: securing genetic diversity for sustainable future production Dr David Hooke, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

Let’s toast – avocados across the globe commercially Dr Jayeni Hiti, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

Regionalization of native sours: A melon/guanabana regeneration platform for Oubuku and beyond Dr Myron Xiu, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

10:30-12:00
4.2 New and emerging methods and technology to improve fruit and vegetable predictions in livestock agriculture

Chairperson: Dr Elizabeth Rous, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

Predictive agriculture for livestock Dr Liu-Nguyen, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

Potential and challenges of crop production and livestock agriculture Dr Joel Myburg, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

The value of information system for agricultural enterprises Dr Jefrey Waiswa, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

10:30-12:00
4.3 From field to food: Improving fruit and vegetable production, traceability and security

Chairperson: Prof. Dr Sanjay Harwath, Intelligent Growth Solutions, Australia

Prevent regrowth and stay healthy in the food sector Mr Ash Horne, Nindooinbah, Australia

To be confirmed

Looking at the end of the food supply chain: What is the future of our food systems and can we even call it food anymore? Dr Craig Shadbolt, NSW Food Authority, Australia

To be confirmed

4.4 One health for a healthier world

Chairperson: Dr Sukhvinder Pal (SP) Singh, Horticulture and Food Sciences (HFS), Australia

Allergy and nut quality in the processing of raw pineapples Dr Tim Chamberlain, Agriculture Research Institute of Thailand (ARIT), Thailand

To be confirmed

Practical and technical challenges in the international trade of seafood and other marine products Dr Elizabeth A. Murphy, Food Safety Research in QAAFI, Australia

To be confirmed

From seed to sea: Traceability and safety of seafood Dr Craig Shadbolt, NSW Food Authority, Australia

To be confirmed

3:00-05:30 Morning Tea sponsored by

10:30-12:00
5.1 Manufacturing plants – key to sustainable supply chain

Chairperson: Dr Jennifer Hill-Birdsend, Prof Nicola Mitter and Dr Akira Hayasaka, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

10:30-12:00
5.2 Breeding tools for predicting fruit quality

Chairperson: Dr Jennifer Hill-Birdsend, Prof Nicola Mitter and Dr Akira Hayasaka, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

10:30-12:00
5.3 Building inclusive innovation in international trade

Chairperson: Dr Jennifer Hill-Birdsend, Prof Nicola Mitter and Dr Akira Hayasaka, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

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10:30-12:00
5.4 Disease sentinel: Farm animals and wildlife as sentinels to predict and prevent human disease pandemics

Chairperson: Dr Jennifer Hill-Birdsend, Prof Nicola Mitter and Dr Akira Hayasaka, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

10:30-12:00
5.5 Improving food safety and food traceability in the horticulture sector

Chairperson: Dr Jennifer Hill-Birdsend, Prof Nicola Mitter and Dr Akira Hayasaka, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed

To be confirmed
Wednesday 2 November 2022
3:30-15:30 Registration desks open

10:00-10:15 Concurrent symposium session 7

10:30-12:30 Concurrent symposium session 8
Concurrent symposium session 8

15:15-15:15
8.1 The new protein paradigm – new models to meet global demand
Presenter: Prof Michael Udvardi, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

15:15-15:40
8.2 Innovation in tropical pulse breeding
8.2.1 Designing and modelling crops for a hotter and drier world
Presenter: Dr Indu Aujla, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

15:40-15:45
8.2.2 RNA for plant health
Presenter: Dr Anjana Chaterji, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

15:45-15:50
8.2.3 Enhanced efficiency fertilizers in (sub)tropical agriculture – opportunities to improve sustainability
Presenter: Dr Jeff Wiel, Fertilizer Australia, Australia

15:50-15:55
8.3 Value of ancient ingredients in modern foods
Presenter: Prof Brian O’Malley and Dr Andrea Pownall, ARC Training Centre for Unique Australian Foods, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

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