



NZFSSRC 2018 Annual Symposium, Monday 02 July 2018, Distinction Hotel, Hamilton

0900-0915 Introductions Professor Nigel French, NZFSSRC Director; Dr Kevin Marshall, NZFSSRC Governance Board Chair

0915-1015 Session 1 **Using a Variety of ‘Omics’ Techniques in Food Safety Research** **Chair: Patrick Biggs**

Ravi Gooneratne, Lincoln University – “Gut microbiome, probiotics and food safety”
Narelle Fegan, CSIRO – “Omics for improving food safety and stability: the Australian perspective”
Helen Withers, MPI - “Will “omics” enable more effective food safety regulation?”
Greg McCullough, Fonterra – “The use of Modern science in Industry”

1015-1045 **Break**

1045-1145 Session 2 **Identifying & Tracking Chemical Hazards in Food Using Chemometric Approaches** **Chair: Tim Harwood**

Darren Saunders, ESR - “The Midas curse: chemical hazards in our food and the tools we use to define and defeat them”
Peter Varelis, Shimadzu - “Is it Fit-for-Purpose?: The importance of mass spectrometry in the analysis of chemical contaminants in foods”
Andrew Pearson, MPI - “Exploring the use of chemometrics in food safety regulation”
Justin Bendall, Fonterra – Title TBC

1145–1245 **Panel Discussion: “The impact of emerging technology on food safety and the role of the NZFSSRC”**

1245-1345 **Lunch break**

1345-1445 Session 3 **Data Analytics for Food Safety** **Chair: Frederique Vanholsbeeck**

Dion O’Neal, UoA – “From the ground beneath your feet, to your credit card receipts: how data analytics can help with NZ food safety”
Roslyn Hickson, IBM Research Australia – “Data-based disease forecasts in public health”
Alison Stringer, Principal Policy Analyst - System Integrity and Engagement, Stats NZ Tauranga Aotearoa
Industry Perspective - TBC

1445-1515 Session 4 **Three-minute thesis (See attached)** **Chair: Miranda Miroso**

1515-1545 **Break**

1545-1645 Session 6 **NZ China Food Protection Network** **Chair: Phil Bremer**

Eddy Fang, Xi’an Jiaotong-Liverpool University, “Social Media and the Diffusion of Information: A Computational Experiment on the Emergence of Food Scares”
Cathy Xu, Jiangnan, Jiangnan University, “Milk scandal and China Milk Trade under food safety regulation”

1700 – 1900 **Networking** over Drinks & Nibbles; **Gallagher Centre, University of Waikato**

1900 – 2030 **Panel Discussion**, “The Future of NZ Food Production and the Implications of Emerging Technologies” Chaired by Kim Hill
Panelists: Caroline Saunders; Martin Cole, Miranda Miroso, Ray McVinnie



New Zealand FOOD SAFETY SCIENCE & RESEARCH CENTRE

Three-minute thesis

- Factors affecting the diffusion of new traceability technologies for food safety in the food industry
- Chinese consumers' concerns about air pollution and implications on perceptions of 'safe' food
- Diagnostic tools and analytics: Salmon body composition
- Advanced diagnostic tools and analytics: Presentation title: Optical sensors to predict the quality of meat in real time
- Advanced diagnostic tools and analytics: Presentation title: Monitoring viability of *Staphylococcus aureus* in near real-time
- Metagenomic analysis and culture-based methods to examine prevalence and distribution of antibiotic resistance genes on dairy farms
- *Listeria monocytogenes* persistence under natural antimicrobial agent Nisin
- *Campylobacter* infection from the country to the city
- Elucidating the source and transmission of tetrodotoxin in New Zealand bivalves
- EU-China Safe project

Ying Yi	University of Otago
Lei Cong	University of Otago
Bailey Lovett	University of Auckland
Abi Thampi	University of Auckland
Joni White	University of Auckland
Rose Collis	AgResearch
Shu Yan Wu	Massey University
Shi-Jing Liao	Massey University
Laura Biessy	Cawthron (via UoW)
Ting Lu	China

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