

FRESH

Issue 06 | Oct 2018

FRESH NEWS STRAIGHT FROM THE SOURCE

Announcements



Dr Sarah Golding

Dr Sarah Golding

Sarah has recently joined the Riddet Institute HQ team as Communications Officer. Her role will encompass promoting a positive public profile for the Riddet Institute, generating internal and external communications, promoting visibility and enhancing national and international reputation. In this capacity, she will be engaging with researchers within the Riddet Institute, as well as its partners and collaborators, to help communicate successes and research activities. Sarah looks forward to meeting you all and working with you.

Sarah has been working within Massey University for 7 years but she has spent much of her career in science, starting in scientific research, scientific communication, recruitment and conferencing. With a PhD from York University in "Ice Crystallisation and Antifreeze proteins for food applications", Sarah's career has taken her from Unilever Research in both the UK (Colworth House) and the Netherlands (Vlaardingse), via Australia to New Zealand.

MBIE Funding: Milk Means More

Professor Warren McNabb leads a team that has been awarded \$11,268,560 in funding, for their research project entitled New Zealand Milk Means More (NZ3M). The project is a collaboration between the Riddet Institute, Massey University Institute of Food Science & Technology, the Food Nutrition Health and Dairy Foods science teams from AgResearch and the University of Auckland (Professor David Cameron-Smith). The project was co-developed with The a2 Milk Company, The Dairy Goat Cooperative, Fonterra, Landcorp, Maui Milk, Miraka, NIG Nutritionals, Spring Sheep Milk Co. and Synlait.



NZ3M will provide mechanistic understanding of differences in the outcomes arising from diversity in ruminant milks. This enables industry partners to build credibility and gain endorsement for New Zealand milks as part of a diet that consistently sustains health and wellbeing that consumers in established and emergent markets in North America and Asia, will value.

Another recipient of funding in this round is a 3-year Smart Idea: Milk exosomes to enhance early-life development. AgResearch's Dr Mark McCann, who is also a Riddet Institute Associate Investigator, will lead the project with the aim to harness the potential of natural milk exosomes leading to a better start to, and quality of life. The research team will provide new knowledge and IP for the NZ dairy industry to develop speciality formulations/ingredients, such as a drink for infants, and provide economic benefits from Asian markets. The Riddet Institute's Deputy Director, Professor Warren McNabb mentors Mark and the project is a collaboration between AgResearch, the Riddet Institute and the University of Auckland.



Follow us on



[linkedin.com/company/riddet-institute](https://www.linkedin.com/company/riddet-institute)



New consumer and sensory science facility on the way

Congratulations to Fonterra Riddet Chair in Consumer and Sensory Science Professor Joanne Hort and her team, on the new Food Experience and Sensory Testing Laboratory (FEAST). The \$2.2 million facility for a Food Experience and Sensory Testing Laboratory will sit alongside the Riddet Institute HQ, the Food Pilot and upcoming Food Science Facility at Massey University.

[See Full Announcement here](#)



(Left to right) Dr Jessica Roche, French Embassy Staff Member, Ms Sarah Priour (Riddet Institute PhD candidate), Laure, Laura & Claire (Riddet Institute interns)

Dr Jessica Roche

Science and Innovation Officer, French Embassy in New Zealand. Friday 3 August. Met PhD Student Sarah Priour (Massey University) and French interns Claire, Laure and Laura who are working with Food Innovation, Massey University, at Riddet Institute HQ.

Upcoming Events

Structure Design for New Food Applications Workshop

Wednesday 14 November 2018, Sport & Rugby Institute, Massey University, 9.30-4.30pm

A 1-day workshop hosted by the Riddet Institute and the University of Leeds. The programme contains six talks from experts in Food Structure Design from the Riddet Institute and a visiting Leeds delegation. For full details of the programme, please see the [website](#) and register via the link.

[Register Here](#)

Riddet Institute Summit: Balancing people, planet and prosperity - New Zealand's role as a World Future Food Producer

Thursday 6th December 2018

With the world's population predicted to increase to 8.5 billion over the next 20 years, the challenge is on for food producing nations like New Zealand. Yet arguably, primary industry food production has never been under greater threat owing to perceptions of the social and environmental costs of animal-based agriculture and the rise of synthetic or 'clean meat' and plant-based proteins. The Summit brings together recognised local and global thought-leaders to spark the conversation on the future of global food production. This event is by invitation only. Please email Ansley Te Hiwi if you would like to attend.

Eat Like A Champion!

Prof Teresa Davis, member of the Riddet Institute Scientific Advisory Panel and Professor of Pediatrics at Baylor College of Medicine, USA, came to Palmerston North to deliver a free public lecture on the importance of animal-derived protein in a healthy diet. The lecture attracted over 150 people from a variety of backgrounds. Teresa delivered a wide-ranging lecture, providing an overview of the positive nutritional role of animal protein in the human diet. Her argument is that the best source of nutrition is animal protein – and without it, we cannot sustain life, as many amino acids are not accessible via other means. It also sparked further debate amongst our students, who are planning a follow up panel discussion. Professor Davis' lecture is available on the [Riddet Institute website](#)



The Riddet Institute Partners



Riddet Institute, Massey University, Private Bag 11 222,
Palmerston North 4442 / Phone: +64 6 951 7295 / info@riddet.ac.nz



Announcements



Dist Prof Paul Moughan at S20 Conference, Argentina

Speaking at the Science 20 (S20) conference in Argentina in July, Professor Paul Moughan made his plenary address about a soon-to-be released report of which he was the lead author, Food and Nutritional Security and Agriculture in the Asia/Pacific.



(Left to right) Riddet Student Innovate Team: Nicole Chen, Sewuese Okubanjo, Sarah Priour and Feng-Ming Chian)

Sarah Priour

Sarah has been accepted to the Global Food Science Student Competition 2018, in Wuxi, China (14-18 Nov). She will present a poster on "Impact of lipid on the protection of *Lactobacillus rhamnosus* under temperature fluctuations occurring during transport".

Professor Emeritus Roger Lentle

Professor Roger Lentle's appointment to Professor Emeritus was announced and celebrated in early September.

Rutherford Discovery Fellowships

Congratulations to Riddet Institute Associate Investigator Dr. Lisa Te Morenga (Victoria University of Wellington) and Affiliated Researcher Dr Timothy Angeli (University of Auckland) on their Rutherford Discovery Fellowships that support them to accelerate their research careers in New Zealand. Both were Riddet Institute PhD Scholars.



The fellowships seek to attract, retain and grow New Zealand's most talented early- to mid-career researchers and support their career development by helping them to establish a track record for future research leadership. The Rutherford Discovery Fellowships award \$800,000 over five years to each Research Fellow. Tim's award is for research entitled: Electrophysiologically based diagnostics and therapeutics for gastrointestinal disorders: bridging the gap from engineering benchtop to clinical bedside. Lisa's award is for research entitled: Naku te rourou, nau te rourou, ka orange ai te iwi (With my food basket and your food basket the people will be well)



See: [Royal Society website](#) for full story

Nutri Sprinky: Innovate Success

Congratulations to Riddet Institute Students Nicole Chen, Sewuese Okubanjo, Sarah Priour and Feng-Ming Chian for making it to the final stage of Innovate 2018.

Innovate 2018 <http://www.innovate2018.co.nz/> is a competition where novel ideas are ignited and brought to life. Mentors selected the Top 6 ideas from over 90 entries for the final stage. The Riddet Institute students are developing a novel food product (Nutrisprinky), an all-in-one nutritious and convenient vegetable and salad sprinkle with a key ingredient being a food industry by-product. They are completing 10 weeks of mentoring to develop their innovation, with the overall winning idea, collecting a \$5000 cash prize, announced at a Grand Final on November 29 in Palmerston North.

See [full press release here](#)

Prof Jeremy Hill Adjunct Professor

The Riddet Institute is honoured to welcome Professor Jeremy Hill in his newly appointed role of Adjunct Professor of the Riddet Institute at Massey University. This role is awarded to distinguished members of the community, who have demonstrated an excellence of scholarship, the highest level of vocational or professional achievement, and proven capacity of leadership.

Professor Hill and the Riddet Institute have a long history of collaboration. From 2009-2012 he sat on the Riddet Institute Board and he was instrumental in the establishment of several professorial chairs within the Riddet Institute. In the future, we will be working closely with Professor Hill to mentor the food science leaders of tomorrow and to continue to strengthen the relationships between the Riddet Institute's academic and research spheres. He will act as an advisor on agri-food matters and the translation of research to a commercial end.



Professor Dave Gerrard, the associate editor of Meat Science, awarding the prize to Feng Ming Chian.

Feng-Ming Chian

Meat Science Young Scientist Award for the second best oral presentation by the international journal, Meat Science at 64th International Congress of Meat Science and Technology (ICoMST) in Melbourne, Australia from 12 -17th August 2018.

RI Overseas Placement Award

Hoang Du Le (Massey University) to undertake research related to his PhD studies at the University of Leeds with Dr Anwesha Sarkar.

Ajay Desai (Lincoln University) to undertake research related to his PhD studies at the South China Institute of Technology

RI Student Travel Awards

Olivia Ogilvie (Plant & Food, Auckland University) to attend the American Association of Cereal Chemists International Cereal & Grains Conference in London, UK

Siqi Li (Massey University) to attend IDF World Dairy Summit in Korea

Wei Chen (Massey University) to attend 12th International Symposium on Ginseng in Seoul, Korea

Nick Smith (AgResearch, Massey University) to attend Human Microbiome Symposium 2018 in Heidelberg, Germany

Dipankar Bhattacharya (Auckland University) to attend Mechatronics and Machine Vision in Practice Conference in Stuttgart, Germany.

Recent Events

14th International Symposium, Digestive Physiology of Pigs

Tuesday 21st August 2018

Organized by Dr. Carlos Montoya and Dr. Suzanne Hodgkinson, the Riddet Institute hosted a satellite symposium at this international conference entitled “*The Pig as a Nutritional Model for the Human*”



This session was extremely popular, reached capacity and provided much thought provoking debate. Moderated by Professor Warren McNabb, the symposium included presentations from Riddet Institute Researchers Dr. Suzanne Hodgkinson (Massey University), Dr. Carlos Montoya (AgResearch) and Prof. Teresa Davis (Riddet Institute Scientific Advisory Panel). They spoke alongside international speakers Prof Knud Erik Bach Knudsen, Aarhus University, Denmark, Prof Frank Dunshea, University of Melbourne, Australia & Dr. Nima Gunness, Centre for Nutrition and Food Sciences, Queensland Alliance for Agriculture and Food Innovation (QAAFI).

Video Workshop with Bazzacam

Monday 27th August 2018

Baz Caitcheon, a multimedia expert with a specialty in quick-turnaround, short self-made videos, came to the Riddet Institute to teach a collection of PhD students and researchers how to shoot, edit & upload short videos from their smart devices. We look forward to seeing this knowledge used to communicate Riddet Institute science!

[See videos on the Riddet website](#)

Enterprise and Innovation Workshop

18th & 25th September 2018

Riddet Institute hosted the third Enterprise & Innovation Workshop for PhD students in September (following similar sessions in June 2017 in Palmerston North and May 2018 for South Island students). Facilitated by Dr. Chris Kirk, a specialist on the cutting-edge lean business model, the workshop uses a Science/R&D context for funding pitches, and develops projects to improve their likelihood of attracting investment.



The Riddet Institute Partners



Riddet Institute, Massey University, Private Bag 11 222,
Palmerston North 4442 / Phone: +64 6 951 7295 / info@riddet.ac.nz

