



# AgriBiotech Summit

one-day agribiotech summit during AusBiotech

2 NOVEMBER 2023

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## AGRIBIOTECH SUMMIT

Breakout Room 2

<p>9.00am – 9.15am</p>	<p><b>Opening &amp; Welcome</b> Rosanne Hyland, Chief Operating Officer, AusBiotech</p>
<p>9.15am – 9.45am</p>	<p><b>NZ's approach to adding value to food through clinical trials</b></p> <p><i>With the aim of tackling the biggest science-based issues and opportunities facing New Zealand, the NZ Government established the National Science Challenge in 2014 encompassing 11 Challenges. One of these challenges, High-Value Nutrition, is focused on developing high-value foods with validated health benefits to drive economic growth.</i></p> <p><i>In this session, hear from Challenge Director Joanne Todd on the learnings over the past nine years, and how the High Value Nutrition Challenge brings together the country's top scientists to work collaboratively across disciplines, institutions, and borders to achieve their objectives.</i></p> <p><b>Chair: Dr Marthe D’Ombrain</b>, Head of Global Research Innovation, CSL Limited</p> <p><b>Joanne Todd</b>, Challenge Director, High Value Nutrition</p>
<p>9.45am – 10.30am</p>	<p><b>Biosecurity</b></p> <p><i>Queensland’s biosecurity system faces increasing numbers of new plant disease and/or pest threats along with a shifting biosecurity risk profile associated with climate change and other external drivers such as global patterns in people and commodity movements. Accurate, timely and comprehensive diagnostic tools are critical for building and sustaining the system’s capacity to rapidly identify and address these biosecurity threats.</i></p> <p><i>These tools require more than an ability to quickly confirm identification of the threat and its associated characteristics; they also need to support the system’s capacity to understand the risk associated with these species and model that risk building its evidence base about targeted and general interventions.</i></p> <p><i>This session adopts a multi-disciplinary panel approach to discuss how scientific/technology and practice areas can come together to ensure Queensland and more broadly Australia will sustain its biosecurity status in the face of increasing and shifting biosecurity threats, many of which hold the capacity to significantly impact environments, community health, market access and food security.</i></p> <p><b>Chair: Dr Rachel Chay</b>, Deputy Director General &amp; Chief Biosecurity Officer, Biosecurity Queensland, Department of Agriculture and Fisheries</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr Enrico Perotti</b>, General Manager, Invasive Plants and Animals, BioSecurity Queensland Department of Agriculture and Fisheries</li> </ul>
<p>10.30am – 11.00am</p>	<p><b>Morning Tea</b> Bioindustry Exhibition</p>

<p><b>11.00am – 11.45am</b></p>	<p><b>Utilising biotechnology to power the future: the role of biotech in renewable energy production</b></p> <p><i>Historically in Australia, energy use has been an input cost to agriculture and providing feedstock to a biofuels sector was something seen in subsidised international economies. Since 2006, there have been significant changes in key inputs into agriculture including fossil fuel-dependent fertilisers.</i></p> <p><i>There has also been a growing interest from customers on how the food production sector manages its environmental footprint.</i></p> <p><i>Reducing input costs, decarbonising production, and developing lower emission-omitting energy solutions for the supply chain provide both challenges and opportunities for the agriculture sector.</i></p> <p><i>This panel session will discuss the challenges and opportunities that arise from decarbonising the agricultural supply chain and the role biofuels play in supporting Australia’s transition to a low carbon future.</i></p> <p><b>Chair: Bronwyn Venus</b>, Head of Strategy, Insights and Engagement, Sugar Research Australia  <b>Speakers:</b> to be confirmed</p>
<p><b>11.45am – 12.30pm</b></p>	<p><b>Harnessing First Nations knowledge in biotechnology and natural product discovery</b></p> <p><i>Earlier this year, Uniseed and Bulugudu Ltd (owned by the Indjalandji-Dhidhanu people) invested \$2.6 million into Trioda Wilingi, a University of Queensland/UniQuest spin out company developing innovative medical gels from cellulose nanofibres extracted from spinifex harvested in north-west Queensland.</i></p> <p><i>Trioda Wilingi has the exclusive global rights to develop novel injectable spinifex medical gels, which have many potential applications including osteoarthritis, drug delivery and cosmetic treatments. Under the agreement, a percentage of all royalties will go into an Indigenous education fund at UQ, to enhance training and education opportunities for Indigenous Australians.</i></p> <p><i>This panel session will discuss Trioda Wilingi’s journey to date, the role of Indigenous knowledge and practices in science, and how to develop effective and meaningful partnerships between scientists and Indigenous communities to translate First Nations knowledge into commercial medical products.</i></p> <p><b>Chair: Julia Spicer OAM</b> – Queensland Chief Entrepreneur, Queensland Government  <b>Speakers:</b> To be confirmed</p>
<p><b>12.30pm – 1.20pm</b></p>	<p><b>AusBiotech Annual General Meeting</b></p>
<p><b>12.30pm – 1.30pm</b></p>	<p><b>Networking Lunch</b>  Bioindustry Exhibition</p>
<p><b>1.30pm – 2.15pm</b></p>	<p><b>Leveraging open-source information and patent analytics to drive agritech / foodtech innovation</b></p> <p><i>Discover how open-source data and patent insights can be leveraged to ignite agrifood tech in Australia towards key targets like sustainability, novel ingredients, and agricultural / manufacturing efficiencies. Hear first-hand how Australian organisations are using these powerful tools to discover game-changing trends, develop new collaboration opportunities, and help launch new innovation.</i></p> <p><b>Chair: Dr Peter Brown</b>, Principal, Patents: Life Sciences, Spruson &amp; Ferguson  <b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Lloyd Thomson</b>, Commercialisation and Business Development Manager, Uniquist</li> </ul>

<p><b>2.15pm – 3.00pm</b></p>	<p><b>Hitchhiking along the long and winding investment road: who will the investors pick up and how to avoid being left behind</b></p> <p><i>The attraction of capital will be a critical factor in the food and agribusiness sector realising its full growth potential. Technology that can deliver efficiencies and greater output in the sector is being developed here in Australia, however, those technology developers lack access to traditional funding sources and will increasingly rely on capital from investors including venture capital.</i></p> <p><i>This session will discuss the array of investment types available to agritech companies, tried and true methods and pitfalls that companies face when seeking growth capital, and how to attract investment in the current capital raising environment.</i></p> <p><b>Chair:</b> Sarah Meibusch, Partner, One Ventures</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Russel Rankin</b>, Director, Food Innovation Partners</li> <li>• <b>Brian Ruddle</b>, Managing Director, Impact Innovation Group Pty Ltd</li> <li>• <b>Nusq Spanton</b>, CEO &amp; Founder, Provectus Algae</li> </ul>
<p><b>3.00pm – 3.30pm</b></p>	<p><b>Afternoon Tea</b> Bioindustry Exhibition</p>
<p><b>3.30pm – 4.15pm</b></p>	<p><b>Food for thought: sustainability and emission reduction in the alternative protein industries</b></p> <p><i>Earlier this year, the world’s population passed 8 billion people. With an expected further 500 million mouths to feed by 2030, the demand for protein will only increase.</i></p> <p><i>Queensland and wider Australia are leading providers of food protein to the world through its seafood, livestock, grains, and pulses industry, however but these activities alone will not be sufficient to meet demand.</i></p> <p><i>Increasingly industrialised countries are moving away from meat and dairy consumption towards alternative sources of protein and foods, which rely on plants, microorganisms, and cell cultures.</i></p> <p><i>Biotechnology, and technology in general, offers the potential to increase protein production in a sustainable manner. This is not simply a matter of plant protein displacing animal protein in the world’s diet: we will need to explore all avenues to meet demand from the use of gene technology to enhance the climactic range of existing plants, to new plant and animal food sources, to the use of rapidly developing precision fermentation.</i></p> <p><i>In this session, panel speakers will cover a range of technologies and options for sustainable protein production and discuss how we integrate new proteins into our food system, export supply chains, and markets.</i></p> <p><b>Chair:</b> Professor Michelle Colgrave, CSIRO</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Laura Navone</b>, R &amp; D Director, Eden Brew</li> <li>• <b>Michael Fox</b>, Co-founder &amp; CEO, Fable Food Co</li> <li>• <b>Brendan McKeegan</b>, Co-Founder &amp; Director, Australian Plant Proteins</li> </ul>
<p><b>4.15pm – 5.00pm</b></p>	<p><b>You are what you eat – harnessing AI to power the Agribiotech value chain</b></p> <p><i>The use of Artificial Intelligence (AI) products and services has rapidly increased with the rise of the digital age and computing power. We now see AI applied broadly in many everyday situations at work, home and across the community. Advances in both AI and biotechnology offers the potential solutions to global social, environmental, and economic problems at a scale and speed not seen before. New opportunities will continue to arise as the technology evolves and society becomes more comfortable with its broad practical application. These advancements are predicted to transform our agrisystem and the way we work to collaboratively tackle issues such as of climate change, global food shortages and nutrition.</i></p> <p><b>Chair:</b> Salvo Vitelli, General Manager, Agribusiness Policy. Department of Agriculture and Fisheries</p> <p><b>Speakers:</b> to be confirmed</p>
<p><b>6.30pm – 10.00pm</b></p>	<p><b>Conference Dinner</b> Plaza Ballroom, Brisbane Convention &amp; Exhibition Centre</p>