



# Centre for Entrepreneurial Agri-Technology

The Centre for Entrepreneurial Agri-Technology is driven by the desire to build an agri-tech innovation ecosystem where world-class research and technology is targeted to agricultural challenges independent of traditional discipline boundaries.



Our impact is delivered in four areas:



## CEAT Innovation Hub

CEAT is home to a vibrant Innovation Hub that attracts new business to the ACT, enriching the agri-tech community. Businesses co-locate here to benefit from proximity to world-leading infrastructure and expertise at The Australian National University (ANU) and the Commonwealth Scientific and Industrial Research Organisation (CSIRO).



## Research Translation Initiative

Growing an ecosystem where globally relevant and responsible agri-tech solutions are co-created, tested, commercialised and adopted. We build partnerships with industry, researchers and government, form Innovation Project Teams, and deliver an Agri-Tech Research Translation Funding Scheme.



## Innovation Training Initiative

Realising new skills and pathways for future innovators, influencers and leaders. Our annual events program offers training and networking opportunities, extended through our Agri-Tech Innovation Training Funding Scheme and partnerships with industry for student placements.



## Management and Evaluation

Our success as a Centre grows from a solid base in governance, advisory models and values: partnership, transparency, inclusivity and quality. We are developing a longitudinal research project to evaluate our impact.

Get connected at [ceat.org.au](http://ceat.org.au)



Our vibrant Innovation Hub is home to the following six businesses.



Gondwana Genomics is the first company in the world to deploy DNA screening on a large scale to boost tree production in commercial forestry. By DNA testing a single seedling leaf, the company can predict a tree's traits and key commercial attributes, such as growth rate and resistance to diseases. Gondwana Genomics can identify trees that provide a stronger return on investment to forest growers.



Lactose is a naturally occurring sugar in milk but it causes widespread indigestion in adults throughout the world, particularly in Australia's key dairy export markets. Lactose testing in laboratories takes up to ten days. The Innovative Bioproducts team at CSIRO developed a sensitive and specific test that can measure traces of lactose in under two minutes.



**NOURISH**  
INGREDIENTS

Nourish Ingredients is a food technology company leading the movement to revolutionise how alternative protein products are made. Nourish create tailored, animal-free fats and oils that make plant-based meat, fish and dairy alternatives even better – tastier and more sustainable. Because Nourish's unique fermentation process is not locked by biology there are literally endless possibilities for the ways their fats and oils can be used by companies creating alternative protein products.



Wildlife Drones is a tech company that has developed an innovative radio-tracking drone system for locating wildlife and pest animals. Their new initiative, Stock Drones, adapts this world-leading technology for the agriculture sector to improve livestock management and cattle mustering practices.



**QUANTUM  
BRILLIANCE**

Quantum Brilliance is a start-up company building quantum computers with the ultimate goal of developing 'QPUs' that are the size of an accelerator card. Quantum Brilliance's work has a range of applications in the agri-sector, including highly complex modelling of weather patterns, crop growth, and other key factors that account for processes such as photosynthesis, energy systems, climate modelling and climate forecasting.



Membrane Transporter Engineers (MTE) develop protein components for highly specific element and nutrient separation from complex solutions and for crop improvement purposes. MTE engineers value-adding components for advancing membrane separation technologies and improving plant productivity in challenging environments. MTE deliver components that can be incorporated in plant cell membranes for improving crop performance.

CEAT are always looking for new collaborations with industry of all sizes, from start-ups to multi nationals. Collaborating with us can help bring your business to Australia's capital and build relationships with experts at ANU and CSIRO across a range of disciplines.

To find out about joining the Hub, email us at [ceat@anu.edu.au](mailto:ceat@anu.edu.au) or phone +61 2 6125 3070.

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