

Innovation ANU, Office of Business Engagement & Commercialisation

Technology Evaluation and Market Assessment

Internship Available for Winter and Semester 2, 2023

The Australian National University (ANU) is unlike any other university in Australia. Founded in 1946, in a spirit of post-war optimism, our role was to help realise Australia's potential as the world recovered from a global crisis.

That vision, to support the development of national unity and identity, improve our understanding of ourselves and our neighbours, and provide our nation with research capacity amongst the best in the world, and education in areas vital for our future, has been our mission ever since.

Innovation ANU connects ideas, research, government and business to create value for the community. Innovation and entrepreneurship are supported through a range of education, licensing, consultancies, advice and funding opportunities for start-ups. We are a services orientated portfolio with a focus on delivering timely and effective support to internal and external customers

Project: Technology Evaluation and Market Assessment

Internship details	
Internship Availability	Winter and Semester 2, 2023
Internship Discipline/s	Physics, Computer Science, Mathematical Science, Engineering; or Biological, Health, Medical, Veterinary, Plant Science
Internship Level	2 nd or 3 rd yr Undergraduate; Postgraduate Coursework
Available to International Students	Yes
Preferred Project Skills:	<ul style="list-style-type: none">• Experience in desk based research• Ability to pull out key messages from scientific writing• Strong written communication• Ability to prioritise• Organised• Independent worker
Clearances Required	No
Host Supervisor	Kiara Bechta-Metti, Assoc Director, Commercialisation & IP

	E: Kiara.bechta-metti@anu.edu.au T: 0407 234 248
Location	Level 6 121 Marcus Clarke St Acton ACT
Project Opportunities/Benefits for the Intern	<ul style="list-style-type: none"> • The interns will hear firsthand from researchers who want to translate their sciences and industry on their expectations of research. • Importantly the project gives interns an understanding of how science can be valuable outside the lab and tools to translate science that they can take into their future studies and career. • The team networks within the Canberra innovation community, thus there will be opportunities to attend functions related to entrepreneurship and commercialisation.

Summary:

The Commercialisation & IP team are presented with anywhere up to 100 technologies developed by ANU researchers each year. Each technology needs to be assessed for novelty and commercial merit. Given the breadth of science, where possible, technologies for review will be matched to an intern's interest.

Examples of recent reviews have been in:

Physical Sciences - various machine learning algorithms from quantum computing to protein production and disease detection, photovoltaics, antibacterial coatings, wound healing dressings

Life Sciences – new way to treat parasitic infection, new antibacterial treatment of MDR microbes, new adjuvants, treatment for thrombocytopenia, enzyme to increase plant growth and CO2 sequestration

Activities the intern will be involved in are:

- Review of new technologies/invention disclosures disclosed to the office from staff.
 - Develop an understanding of the basic technology concepts
 - Search and read papers as related to the science
 - Seek out similar technologies or substitutes
 - Assess use cases of the technology and potential markets

- Assist with writing marketing material to communicate the technology
- For more mature technologies
 - Short list companies that may be interested in the technology
 - If interested, reach out to companies
 - Become familiar with the patenting process
- Business Development
 - Assist with market analysis in areas of scientific interest to the University
 - Develop marketing material to promote capability of schools and cross functional science platforms
 - Assist with identifying potential industry partners as related to specific areas of research