Kickstart your career with CSIRO's Industry PhD

Earn your PhD in partnership with industry, a leading university, and Australia's national science agency, CSIRO.

The CSIRO Industry PhD Program (iPhD) is a research training program, focusing on applied research that benefits industry by solving real-world challenges. It aims to produce the next generation of innovation leaders with the skills to work at the interface of research and industry in Australia.

The opportunity

- Admission to a university PhD program
- A four-year scholarship valued at $47,000 per annum (2025 rate)
- A project expense and development package of up to $13,000 per annum
- Supervision by CSIRO, an industry partner and the host university
- A 60-day Industry Engagement component with the industry partner
- A structured professional development and training package

Successful students will receive a PhD on completion.

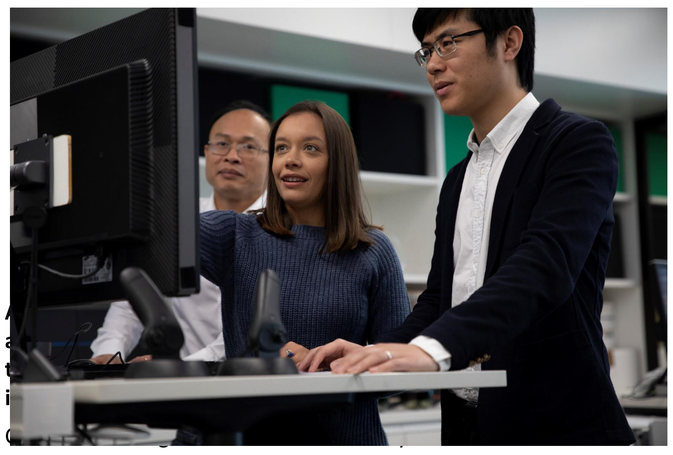
Eligibility requirements

The student must:

- Be an Australian citizen or Permanent Resident, or a New Zealand citizen.
- Meet participating university PhD admission requirements.
- Meet university English language requirements.
- Not have previously completed a PhD.
- Be able to commence the Program in the year of the offer.
- Enrol as a full-time PhD student.
- Be prepared to be located at the project location(s) that the host university has approved and, if required, comply with the host university's external enrolment procedures.

Application process

- Applicants submit an expression of interest (EOI) following the instructions on the university's webpage or directly by emailing the supervisory team. Applications are open until position is filled.
- The EOI is assessed by the supervisory team and shortlisted applicants are interviewed.
- The supervisory team nominates a preferred applicant.
- The application is assessed by the university against PhD admission criteria.
- The university will issue a letter of offer for the program if all conditions have been satisfied.



Project overview

Extending the shelf life of UHT plant protein beverages

This Project aims to improve understanding and overcome the negative effects of the secondary lipid oxidation products and Maillard reaction in UHT plant protein beverages.

The expected outcome is a methodology to impede the negative impact of malodorous/browning reactions in high protein UHT beverages.

This may lead to the extension of shelf life of these products furthering export opportunities.

SUPERVISORY TEAM DETAILS	
Royal Melbourne Institute of Technology	Stefan Kasapis stefan.kasapis@rmit.edu.au
CSIRO	Regine Stockmann regine.stockmann@csiro.au
Sanitarium Health Food Company	John Ashton john.ashton@sanitarium.com.au

Ideal student skillset

- Strong background in food chemistry/technology or chemical engineering and in particular protein and lipid chemistry and protein interactions with other ingredients.
- Familiarity with the broader aspects of thermal processing to modulate food quality and be comfortable with intermediate level statistics.
- Broad range of laboratory skills in food chemistry and food product development, experience in the use of advanced analytical equipment and an interest in aspects that determine long shelf life and acceptability of UHT beverages.
- Excellent teamwork and communication skills. A strong desire to translate scientific findings to commercial food processes and products is also required.

FOR FURTHER INFORMATION

- Visit the iPhD website
- Contact the project's supervisory team
- Contact the University's Graduate Research School
- Contact the iPhD team

PROJECT LOCATIONS	
Primary location	RMIT, 124 La Trobe Street, Melbourne VIC 3000
Industry Engagement component location	Sanitarium Health Food Company, Pilot Plant and Laboratory, 582 Freemans Drive, Cooranbong NSW 2265
Other potential location	CSIRO Werribee, 671 Sneydes Road, Werribee VIC 3030