



SAEF

Securing Antarctica's Environmental Future

Australian Research Council Special Research Initiative



LA TROBE
UNIVERSITY

Are you wanting to do a PhD in Biodiversity Monitoring / Biological Invasions / Antarctic Biodiversity?

About McGeoch Lab

We use plant and animal populations and communities to understand how biodiversity is responding, and what it will do in the future, as the climate and environment changes. Our research includes projects on biological invasions, climate change, community ecology, ecological theory, biodiversity informatics – in terrestrial ecosystems and in the Antarctic. Some of the research questions we are interested in are:

- *How does biodiversity change over space and time, how can we better model and predict this and what does it mean for conservation?*
- *How do we identify priority sites and priority species to act against the negative impacts of biological invasions?*
- *What does the future of Antarctic biodiversity look like under climate change?*
- *What approaches can be developed to make biodiversity information more relevant and accessible to decision-makers?*

Our research often feeds into environmental policy and management. <https://melodiemcgeoch.com/>

About SAEF

SAEF is an Antarctic research program, funded by the Australian Research Council as a Special Research Initiative. Established in 2021, our mission is to understand the changes taking place across the Antarctic region – to its climate and its biodiversity – and develop innovative ways to forecast, mitigate and manage these changes. We also seek to collaborate with policymakers to identify conservation priorities and help make the right decisions for Antarctica's future. <https://arcsaef.com/>

Eligibility

To apply for this PhD:

- meet the entry requirements for a Doctor of Philosophy (PhD) at La Trobe University
- have background in environmental science, conservation biology or related quantitative disciplines
- an interest in studying biodiversity monitoring or biological invasions or Antarctic biodiversity

How to apply

Please email your application to m.mcgeoch@latrobe.edu.au and include:

- a letter outlining your background, interest in, and fit with the PhD topic (1 page maximum)
- your curriculum vitae.



melodiemcgeoch.com



[mcgeochlab](https://www.instagram.com/mcgeochlab)