



RESEARCH FELLOW

DEPARTMENT/UNIT	Securing Antarctica's Environmental Future
FACULTY/DIVISION	Faculty of Science
CLASSIFICATION	Level A
DESIGNATED CAMPUS OR LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

The Faculty of Science contributes to the University's goals via research, teaching and partnerships with industry, government and individual supporters. Our five Schools cover a large and diverse range of disciplines in undergraduate and postgraduate courses. Ten Schools from other university faculties contribute to science teaching at all levels, allowing students to choose their studies from physical, biological, biomedical, behavioural, environmental, mathematical and computer sciences. The research in the Faculty of Science is carried out by world-class researchers. Their work spans the theoretical to the applied, contributes to new knowledge and technologies, and challenges how we interact with the world. To learn more about the Faculty of Science, please visit our website: www.monash.edu/science.

The ARC SRI Securing Antarctica's Environmental Future is a leading international research program which will deliver interdisciplinary research to forecast environmental change across the Antarctic region, to deploy effective environmental stewardship strategies in the face of this change, and to secure Antarctica as a natural reserve devoted to peace and science. SAEF uses the benchmark social-ecological systems approach as the basis for reciprocal integration of theory, observations, modelling and data, with the information requirements of structured decision-making, to enable the delivery of informed, future-ready environmental policy. SAEF is led from Monash University's Clayton Campus and brings together 30 organisations, both national and international, to deliver its program. The team includes 57 researchers and practitioners from across the disciplinary spectrum, including geology, atmospheric science, marine and terrestrial ecology, mathematical modelling, optimisation, conservation biology, conservation practise, evidence-based policy and law.

SAEF's university partners include Monash University, University of Wollongong, Queensland University of Technology, University of New South Wales, James Cook University and the University of Adelaide.

SAEF's domestic partner organisations include Geoscience Australia, the Australian Nuclear Science and Technology Organization, the Bureau of Meteorology, South Australian Museum, Western Australian Museum and in a program collaboration role the Australian Antarctic Division.

Internationally, partner organisations include the University of Massachusetts Amherst, the University of Colorado Boulder, Berkeley Geochronology Centre, Tulane University, University of Waikato, University of Otago, Auckland University of Technology, Victoria University of Wellington, King Juan Carlos University, University of the Balearic Islands, University of Exeter, University of Pretoria, Universidad de Santiago de Chile, the Norwegian Polar Institute, Chilean Antarctic Institute, British Antarctic Survey, New Zealand Department of Conservation and the International Association of Antarctica Tour Operators.

With over \$46M investment from the ARC and contributing organisations, SAEF is in an extraordinary position to change the future of Antarctic and Southern Ocean Environments through the application of leading informatics, robotics, environmental technologies and decision-support approaches. Strong partnerships with those involved in decision-making and operations in Antarctica will ensure new environmental policies for new environmental challenges and a workforce ready to take forward the legacy.

POSITION PURPOSE

A Level A research-only academic is expected to contribute towards the research effort of the University and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research.

The position will be responsible for designing and delivering research outcomes, publications and other research-related dissemination means (such as talks) on the changes in Antarctic populations, species and communities through time and space, with a particular emphasis on temporal change, as part of Theme 2 (Biodiversity Status and Trends) and Theme 3 (Supporting Environmental Stewardship) of SAEF.

Reporting Line: The position reports to the Primary Chief Investigator, SAEF, in this case Steven L Chown in his SAEF research capacity

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level A research-only academic may include:

1. The conduct of research under limited supervision either as a member of a team or, where appropriate, independently and the production or contribution to the production of conference and seminar papers and publications from that research
2. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
3. Limited administrative functions primarily connected with the area of research of the academic
4. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
5. Occasional contributions to teaching in relation to their research project(s)
6. Experimental design and operation of advanced laboratory and technical equipment or conduct of advanced research procedures

7. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and/or membership of a limited number of committees
8. Advice within the field of the staff member's research to postgraduate students
9. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A doctoral qualification in the relevant discipline.

Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills; including a track record of refereed research publications in the very best general research outlets and discipline-specific outlets
3. Ability to solve complex problems by using discretion, innovation and the exercise diagnostic skills and/or expertise
4. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines
5. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
6. A demonstrated awareness of the principles of confidentiality, privacy and information handling
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
8. Demonstrated computer literacy and proficiency in the production of high-level work using software such as Microsoft Office applications and specified University software programs, with the capability and willingness to learn new packages as appropriate
9. Demonstrated expertise in the analysis of population and/or community change and its underlying theory
10. Demonstrated expertise in connecting population and community level change projections to conservation outcomes

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- Travel to Antarctica and the sub-Antarctic for periods of up to three months at a time will be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.