

Research Associate - Spatial Systems Ecologist

College/Division	College of Sciences and Engineering
School/Section	Institute for Marine and Antarctic Studies, Australian Antarctic Program Partnership
Location	Hobart
Classification	Academic B
Reporting line	Reports to AAPP – Program Leader

Position Summary

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

We are seeking to appoint a Research Associate – Spatial/Systems Ecologist in the [Institute for Marine and Antarctic Studies \(IMAS\)](#) as part of the [Australian Antarctic Program Partnership \(AAPP\)](#).

The Research Associate – Spatial/Systems Ecologist will be a member of Theme 3: The future of sea ice, krill and ecosystems – and will lead the analysis of a range of data collected through innovative bioacoustics, field observation, and experiments on recent AAPP voyages e.g. Trends in Euphausiids off Mawson, Predators, and Oceanography (TEMPO) Voyage, to understand the drivers of krill distributions and its ecosystem, and provide model projections under the future environments.

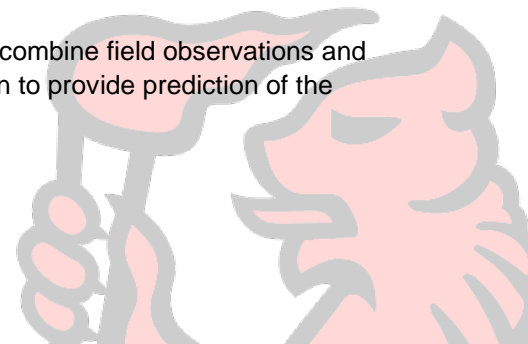
The position will work closely with the biogeochemistry stream of Theme 2 (the nature and impacts of Southern Ocean Change) on elucidating the impact of the changing role of primary producers on carbon and nutrient cycling in Theme 2.

The position has a significant team focus and will provide strong quantitative and analytical skills to the activities of the group. The position demands a productive and innovative researcher capable of initiating and driving independent research ideas as well as collaboratively supporting the work of others. The position is fixed term for a period of 3 years with the possibility of extension subject to approved research priorities of the AAPP, performance and funding.

We are an inclusive workplace committed to ‘working from the strength that diversity brings’ reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.

What You'll Do

- Make an effective and sustained contribution to the AAPP strategic objectives and at a wider level to the University and IMAS in achieving its strategic objectives through leading the analysis of a range of innovative data collected through bioacoustics, field observation, and experiments in the recent Trends in Euphausiids off Mawson, Predators, and Oceanography (TEMPO) Voyage to characterize the structure and distribution of krill swarms at multiple scales to provide insights into its significant role and its dynamics in the ecosystem off East Antarctica. This includes:
 - Work collaboratively with other team members on research to combine field observations and data from experimental studies on krill and other zooplankton to provide prediction of the regional scale responses to climate change.



- Work collaboratively across the AAPP and related national and international initiatives to assess the likely future of the sea-ice ecosystem in East Antarctica at spatial and time scales relevant for research end-users including policy makers and resource managers.
- Undertake high-quality research of national and increasingly of international standing, encouraged to secure external competitive and other funding, publish research findings and contribute to the successful supervision of research higher degree students, in order to meet and regularly exceed the University's research performance expectations for Academic Level B.
- Contribute to the development and maintenance of productive and effective links with AAPP partners and their national and international collaborators, and other relevant agencies within the discipline where appropriate.
- Undertake other duties as assigned by the supervisor and AAPP Program Leader.

What We're Looking For (success criteria)

- A PhD or equivalent in a relevant area of science.
- A good record of, and continuing commitment to, research that has achieved national and preferably international recognition and made worthwhile contributions to the field of ecology (particularly krill and/or other zooplankton), demonstrated by a record of quality publications, presentations at conferences and preferably success in securing external competitive and other funding.
- Proven skillset for the design of shipboard observational and experimental strategies and the ability to link these studies with bio-acoustics and other remote-sensing approaches operating at a range of temporal and spatial scales.
- Comprehensive lab skills such as for testing bioacoustics, along with strong quantitative and analytical skills for data interpretation.
- A record of contributing to building and maintaining effective and productive links nationally and internationally within the discipline.

Other position requirements

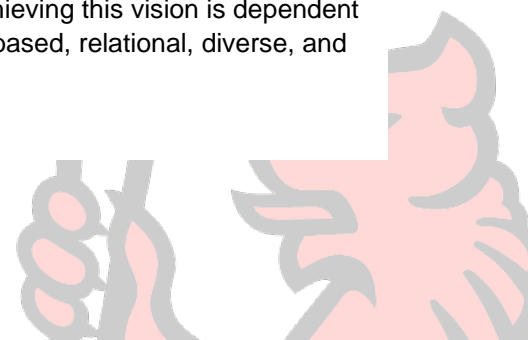
- Visiting and working in the field in remote locations - Because the successful applicant may be expected to work at sea or in the field (Antarctica and subantarctic regions), applicants for this position will be required to be certified as fit for Antarctic Service by the Australian Antarctic Division's Polar Medicine Branch or the Marine National Facility (and/or medical officers representing other research vessels) after tests conducted by or on behalf of a Commonwealth Medical Officer or other medical authority.
- Laboratory and workshop activities and handling hazardous substances

University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our [Strategic Direction](#) strongly reflects the University community's voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.

We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.

Check out more here:



<https://www.utas.edu.au/jobs>

<https://www.utas.edu.au/careers/our-people-values-and-behaviours>

The intention of this position description is to highlight the most important aspects, rather than to limit the scope or accountabilities of this role. Duties above may be altered in accordance with the changing requirements of the position.

