

Position Title:	Research Associate
Position Classification:	Level A
Position Number:	NEW
Faculty/Office:	Faculty of Sciences
School/Division:	School of Biological Sciences
Centre/Section:	
Supervisor Title:	Research Fellow
Supervisor Position Number:	316094

Your work area

The Oceans Institute brings together the strength of UWA's marine researchers into a multidisciplinary, integrated research focus. The goal is to capitalise on UWA's existing research strengths – in areas such as oceanography, ecology, engineering, resource management, and governance – and utilise them to deliver Ocean Solutions for Humanity's Grand Challenges (<http://www.oceans.uwa.edu.au/>). This position will be embedded with the work done by research fellows at the Ocean Institute and will integrate current and innovative research on the use of models to assist our understanding of the marine environment.

Reporting Structure

Reports to: Research Fellow 316094

If a leadership/ supervisory role:

Direct Reports: N/A

Your role

To independently conduct scientific research directly related with the development of models to assist our understanding of the marine environment. Together with the Research Fellow, you will work as part of a large collaborative team of national and international researchers. Part of the role will specifically focus on understanding marine megafauna movement and on the development of models to assist determining their habitat preferences as part of the Marine Megafauna Movement Analytical Program (MMMAP; mmap.wordpress.com). The central goal of MMMAP is to significantly improve our understanding of marine megafauna movement at a global scale to ultimately assist the conservation and management of economically important, charismatic and threatened highly migratory marine species.

Key responsibilities

Conduct world-class scientific research and publish in international refereed journals.

Contribute to the scientific goals of MMMAP through the development of models of animal movement and assessment of their preferential habitats.

Design necessary methods and protocols, compile values reported in the literature, design and develop data bases, participate in project meetings, process samples, analyse data and produce reports and scientific publications.

Get involved in students' projects related to MMMAP

Reporting of activities against identified milestones.

Other duties as requested.

Your specific work capabilities (selection criteria)

PhD in marine science or related discipline;

Demonstrated independent research skills, as evidenced by relevant publications and/or scientific reports

High level of proficiency in the analysis of large integrated databases and development of statistical models, such as GLM, GLMM, GAM

Demonstrated knowledge and experience in the application of theory, statistics, and sampling methodologies (preferably in the context of animal movement and behaviour)

Demonstrated capacity for integrated research activity both within and across academic groups;

Demonstrated skills in research design, analysis and reporting;

Well-developed interpersonal and communication skills

Proven ability to work within a collaborative team

A willingness to go beyond minimal requirements, a strong work ethic and a cooperative 'can-do' attitude will be well regarded

Special Requirements

Demonstrated capacity to develop and apply animal movement models or species distribution models

Demonstrated ability to use programming languages such as R or python

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Equity and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au>