

Position Title:	Robson and Robertson Research Fellow
Position Classification:	Level B
Position Number:	316551
Faculty/Office:	Engineering Computing and Mathematics
School/Division:	UWA Oceans Institute & Graduate School
Centre/Section:	
Supervisor Title:	Director and Head of School
Supervisor Position Number:	315403

About the University

The University of Western Australia has an international reputation for excellence and enterprise and has been rated as one of the top comprehensive universities in Australia. It is one of the country's leading research institutions, which is ranked in the top 100 universities on the Shanghai Jiaotong Index, hosts Nobel Laureates and is the only WA member of the prestigious "Group of Eight" research universities.

Vision and Values

The University of Western Australia's vision is to achieve international excellence.

The core values underpinning its activities are a commitment to:

- A high performance culture designed to achieve international excellence;
- Academic freedom to encourage staff and students to engage in the open exchange of ideas and thought;
- Continuous improvement through self-examination and external review;
- Fostering the values of openness, honesty, tolerance, fairness, trust and responsibility in social, moral and academic matters;
- Transparency in decision making and accountability; and
- Equity and merit as the fundamental principles for the achievement of the full potential of all staff and students.

All staff are expected to comply with the Code of Ethics and the University's Code of Conduct and demonstrate a commitment to its Equity and Diversity and Safety principles and the General Capabilities of personal effectiveness, working collaboratively and demonstrating a focus on results. 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> and <http://www.safety.uwa.edu.au/policies>.

About the work area

The UWA 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 solutions to the challenges facing our oceans (<http://www.oceans.uwa.edu.au/>).

Former UWA Vice-Chancellor, Professor Alan Robson, and former Pro Vice-Chancellor Research Initiatives, Professor Alistar Robertson, were strong supporters of the UWA Oceans Institute. This Fellowship is in recognition of their contributions to the establishment of the Institute and their commitment to its early successes.

Role statement

The position will take a lead role in one of three research themes in marine research below. The focus of the position is to provide impactful research to enhance marine conservation and aquaculture development throughout the Indian Ocean region, contributing to the blue economy agenda and supporting food security in the region.

1. Marine Conservation

This research program should focus on supporting the sustainable development of the blue economy agenda including multidisciplinary approach incorporating marine spatial planning and management – taking into account multiple uses of the ocean, outcomes of marine protected areas, the importance of nurseries, and the economics of marine conservation.

2. Aquaculture

This research program will focus on environmental and economic sustainability of large-scale open ocean aquaculture or land-based aquaculture (not fish ranching) with particular reference to Australia. The program may include assessment of key factor of species selection, feed provision, engineering issues and environmental health and monitoring.

3. Genetics

This research program will focus on nutrition and growth rates, reproduction, disease and environmental challenges, selective pressure of exploitation to improve the viability of aquaculture production.

The researchers will be responsible for their program, including research design, field work, effective team collaboration and liaising with external stakeholders.

Key responsibilities

Research & Engagement

- Develop a collaborative project and conduct high quality, high impact research in one of the above research areas
- Establish an integrated research program that supports the research priorities of the Oceans Institute
- Fulfilling milestones of collaborative projects
- Create a collaborative research link between the UWA Oceans Institute and relevant external stakeholders
- Promote research via research papers and presentations at national and international conferences
- Participate in engagement and outreach activities to promote and communicate research to the public
- Value-add to existing research programs through meta-analysis of existing datasets owned by both AIMS and UWA
- Contribute to grant writing

Leadership

- Supervise UWA Masters and PhD research students as required
- Contribute to discussions on the organisation and planning of research as required

Other

- Manage day-to-day activities such as ordering and commissioning equipment.
- Perform other duties as directed.

Specific work capabilities (selection criteria)

1. PhD in engineering, physics, computer science, mathematics, physiology, biology, or similar; or equivalent industry experience.
2. Demonstrated independent research skills as evidenced by a track record of research publication relative to opportunity.
3. Experience in working as a team player, preferably within a cross-disciplinary team.
4. Highly developed written and verbal communication skills in the preparation of high-quality reports, presentations and publications.
5. An ability and willingness to direct and supervise Masters and PhD students.
6. Highly developed organisational skills and demonstrated ability to set priorities and to meet deadlines.

Special Requirements

Demonstrable understanding of dive and boating safety requirements