



RESEARCH FELLOW

DEPARTMENT/UNIT	School of Biological Sciences
FACULTY/DIVISION	Faculty of Science
CLASSIFICATION	Level A
WORK LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you 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 **School of Biological Sciences** has an international reputation for quality research and education programs. Our vision is to improve the human condition by providing, in a context of partnerships, the science and science education required to comprehend and forecast biological responses to emerging environments. We aim to become a global leader in biology through exceptional research, comprehensive high-quality teaching and broader community engagement. Our School is one of significant complexity, combining varied plant and animal field-based research with laboratory and biotechnology-based investigations. To help us achieve our aims, we have a strong complement of academic, research and professional staff and a significant student population. For more information about the School of Biological Sciences, please visit our [website](#)

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.

Assisting Professor Dustin Marshall, the role is for an experienced Ecologist / Evolutionary Biologist, who specialises in microalgal biology and who has a strong empirical background, to explore the ways in which size affects the structure and function of marine phytoplankton. This position will be with the Centre for Geometric Biology (www.cgb.org.au) within the School of Biological Sciences at Monash University.

The role is expected to maintain our evolved lines of the microalgae *Dunaliella* and use these evolved microalgae to undertake experiments that test ecological and evolutionary theories. The incumbent will have a strong quantitative background and have a demonstrated track record in producing high quality publications.

Reporting Line: The position reports to a professor, School of Biological Sciences

Supervisory responsibilities: Not applicable

Financial delegation: Not applicable

Budget 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

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - a doctoral qualification in empirical ecology / evolutionary biology using microalgae as a model species

Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills; including an excellent track record of refereed research publications in high impact journals
3. Demonstrated experience in empirical research using cutting-edge quantitative approaches
4. Strong leadership, organisational and project management skills
5. Ability to work collaboratively with others

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may 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.