

Position Title	Research Fellow
Classification	Level B
School/Division	School of Biological Sciences
Centre/Section	Centre for Applied Bioinformatics
Supervisor Title	Professor
Supervisor Position Number	
Position Number	NEW

Your work area

School of Biological Sciences

The University of Western Australia (UWA) is ranked amongst the top 100 universities in the world and is a member of the prestigious Australian Group of Eight research-intensive universities. [The School of Biological Sciences](#) is internationally recognised for its strong teaching programmes in the natural sciences and biology and has an enviable research track record. The School has broad expertise across marine biology, ecology, conservation biology, evolutionary biology, computational biology, plant and animal physiology, and genomics. The School also leads UWA's program in Science Communication. Our research programmes involve a diverse array of taxa, from microbes through animals and plants. We are located on a vibrant campus and have ready access to incredible natural environments, including the Indian Ocean and the extensive Western Australian coastline. Our undergraduate and postgraduate courses consistently rate very highly in student evaluations, which in part reflects our strong emphasis on practical and field-based teaching.

The School of Biological Sciences is a large and multidisciplinary team of more than 80 high-calibre academic and professional staff delivering world-class education and research programmes to approximately 600 undergraduate and postgraduate students. The School is also responsible for the supervision of ~120 PhD students, reflecting research strengths and expertise in the disciplines of Marine Biology, Animal Biology, Computational Biology, Ecology & Conservation, Evolutionary Biology, Neuroscience, Plant Biology and Science Communication.

Reporting structure

Reports to: Professor

Your role

As the appointee, you will contribute to and lead the preparation of research and review papers in the field of applied bioinformatics, undertake applied bioinformatics research and support the continued success of the applied bioinformatics group. Additionally, you will be involved in supervision of other research team members involved in the projects and contribute to teaching undergraduate and postgraduate level courses or units.

Your key responsibilities

Develop and organise scientific manuscripts for submission to peer-reviewed journals, adhering to the specific guidelines and standards set by the target journal

Manage research projects, including planning, execution, and coordination of data analysis and publications.

Develop and apply computational approaches to analyse genomic data to study the evolution of plant genomes.

Conduct advanced applied bioinformatics research within a specialised team focused on genomics, trait association and evolutionary biology.

Support the applied bioinformatics group by maintaining or developing databases and websites, ensuring accurate and up-to-date information.

Contribute to undergraduate and postgraduate teaching activities in relevant courses and units.

Supervise students working on individual or group projects at honours, masters and postgraduate levels.

Perform other duties as directed.

Your specific work capabilities (selection criteria)

PhD in applied bioinformatics, or a relevant combination of experience and education/training.

Extensive experience in writing scientific manuscripts and reports.

Highly developed written and verbal communication skills.

Advanced skills in applied bioinformatics.

Proficiency in a range of computing skills including Linux and specialist bioinformatics software.

Experience of genome analysis, preferably with plant genomes.

Highly developed organisational skills with the ability to prioritize and meet deadlines.

Effective workplace communication skills.

Ability to work independently, display initiative, solve problems, and collaborate effectively within a team.

Desirable

Knowledge and experience of pangenomics or machine learning applications.

Special requirements (selection criteria)

There are no special requirements

Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

The University's Code of Conduct [Code of Ethics and Code of Conduct](#)

Inclusion and Diversity web.uwa.edu.au/inclusion-diversity

Safety, health and wellbeing [Safety and Health Policy](#)