

Position Title	Research Fellow
Classification	Level B
School/Division	School of Biological Sciences
Centre/Section	Plant Biology
Supervisor Title	Professor
Supervisor Position Number	313508
Position Number	New

Your work area

[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 Jacqueline Batley

Your work area

As the successful appointee, you will be involved in conducting research on plant pathogen interactions and evolution of disease resistance genes with a focus on crop plants. You will be responsible for planning and executing research projects, performing molecular experiments, analyzing data, and preparing scientific publications. Additionally, you will contribute to the supervision of other research team members involved in the projects as well as teaching undergraduate and postgraduate level courses or units.

Your key responsibilities

Plan and prepare scientific manuscripts for publication in peer-reviewed journals, following journal guidelines and standards.

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

Design and develop research methodologies and experiments.

Conduct basic and applied molecular biology research within a specialized team focused on genomics and plant pathogen interactions.

Support the crop genomics group by maintaining 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 additional assigned tasks as directed.

Your specific work capabilities (selection criteria)

PhD in plant genomics, plant pathogen interactions, or plant molecular biology, or a relevant combination of experience and education/training

Advanced skills in molecular biology

Highly developed written and verbal communication skills, including extensive experience in writing scientific manuscripts and reports

Proficiency in plant genomics and data mining

Experience with molecular marker development, high-throughput genotyping, development of genetic mapping populations and and tissue culture techniques

Experience on practical molecular plant breeding

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

Knowledge and experience in research involving plant pathogen interactions including the development and application of molecular markers and genomics approaches is desirable

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](#)