

<b>Position Title</b>	Research Fellow (Lab Operations)
<b>Classification</b>	Level B
<b>School/Division</b>	School of Biological Sciences
<b>Centre/Section</b>	Plant Biology
<b>Supervisor Title</b>	Professor
<b>Supervisor Position Number</b>	313508
<b>Position Number</b>	New

## Your work area

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[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. Many of our team members are also actively involved in the field of Plant Biology and Plant Molecular Biology. We are part of a collaborative network of researchers and educators who are dedicated to serving the needs of these scientific communities in Western Australia and around the world.

## Reporting structure

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Reports to: Professor Jacqueline Batley

## Your role

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As the successful appointee, your primary responsibility will be overseeing various aspects of lab management, ensuring our research facilities' efficient operation. This will include tasks including but not limited to inventory control, equipment maintenance, ordering lab needs, arranging repairs or fixes as necessary, supervising a research assistant to help with lab tasks and ensuring adherence to safety protocols. Your role will also encompass active participation in research and publications on plant-pathogen interactions and the evolution of disease-resistance genes, student supervision and conducting lab inductions, all of which will be integral to ensure the success and growth of our research endeavours.

## **Your key responsibilities**

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Conduct lab management tasks to ensure the smooth and efficient operation of research activities, including but not limited to ordering supplies, coordinating equipment maintenance, and handling repair requests as needed.

Lead lab inductions for new team members, ensuring they are well-versed in safety protocols and proficient in using laboratory equipment. Additionally, provide ongoing assistance to students in the lab to ensure safe and effective equipment utilisation.

Co-supervise students, offering hands-on guidance and mentorship throughout their experiments and laboratory techniques as needed.

Undertake applied molecular biology research as part of a specialised team, primarily focusing on plant genomics and plant-pathogen interactions.

Develop research methodologies and experimental designs for projects.

Manage research projects, including strategic planning and execution, while coordinating data analysis and publications.

Perform data analysis and visualisation to extract meaningful insights from research findings.

Plan and implement the preparation of scientific manuscripts for publication in peer-reviewed journals.

Perform other duties as directed.

## **Your specific work capabilities (selection criteria)**

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Relevant tertiary qualification or demonstrated equivalent competency

Demonstrated skills in designing and implementing field, glasshouse and laboratory-based experiments in Plant Biology and analysis of biological experiments, including quantitative data analyses

Proficiency in lab management encompassing resource allocation, equipment maintenance, and coordination of lab activities

Strong organisational skills, attention to detail, and ability to efficiently manage lab resources, including ordering supplies, coordinating equipment maintenance, and handling repair requests

Capability to conduct thorough lab inductions for new team members and provide ongoing supervision and mentorship to students, ensuring adherence to safety protocols and effective utilisation of laboratory equipment

Expertise in plant genomics and advanced biology techniques, including extensive experience in analysing and interpreting genomic data

Demonstrated good workplace communication skills

Substantial relevant experience in writing scientific manuscripts and reports

Highly developed organisational skills with the demonstrated ability to set priorities and meet deadlines

Ability to work independently, show initiative, problem solve and work productively as part of a team

## **Special requirements (selection criteria)**

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There are no special requirements

## **Compliance**

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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](http://web.uwa.edu.au/inclusion-diversity)

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