

Position Title	Research Associate
Classification	Level A
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 role

As the successful appointee, your role will encompass conducting research focused on the identification and characterisation of disease resistance genes, including novel and quantitative resistance genes in *Brassica* and related species. Your responsibilities will include designing and implementing research projects, conducting molecular experiments, analyzing data, and preparing scientific publications. Furthermore, you will contribute to the supervision of other members of the research team and collaborate with key research teams and scientists to meet the project's objectives.

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 to identify and characterize, novel disease resistance and quantitative resistance genes in *Brassica* species.

Conduct fundamental and applied molecular biology research with a focus on disease resistance in *Brassica* species.

Collaborate and coordinate with key research groups and scientists involved in the project.

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, plant molecular biology, quantitative genetics or a relevant combination of experience and education/training

Proficiency in plant genomics, plant breeding and data mining

Advanced computing skills, including familiarity with bioinformatics tools and programming languages such as R

Strong understanding of plant pathogens and diseases, including their molecular mechanisms and interactions with host plants

Highly developed written and verbal communication skills

Extensive experience in writing scientific manuscripts and reports

Highly developed organisational skills with the ability to prioritise and meet deadlines

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

Evidence of contributions to the scientific community through publications, conference presentations, or participation in professional organisations

Knowledge and experience in research involving plant pathogen interactions and quantitative genetics 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](#)