

<b>Position Title</b>	Research Fellow
<b>Classification</b>	Level B
<b>School/Division</b>	School of Biological Sciences
<b>Centre/Section</b>	Bioinformatics
<b>Supervisor Title</b>	Professor
<b>Supervisor Position Number</b>	
<b>Position Number</b>	

## **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 David Edwards

## **Your role**

---

As the successful 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 the 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 additional assigned tasks as directed.

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

---

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

Experience in genome analysis, preferably with plant genomes

Extensive experience in writing scientific manuscripts and reports

Advanced skills in applied bioinformatics

Highly developed written and verbal communication skills

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

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

Knowledge and experience of pangenomics or machine learning applications 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](http://web.uwa.edu.au/inclusion-diversity)

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