



## POSITION DESCRIPTION

School of BioSciences  
Faculty of Science

### Research Fellow

<b>POSITION NO</b>	0039113
<b>CLASSIFICATION</b>	Level A
<b>SALARY</b>	\$64,863* – \$88,016 p.a. (*PhD entry Level \$81,998 p.a.)
<b>SUPERANNUATION</b>	Employer contribution of 9.5%
<b>EMPLOYMENT TYPE</b>	Full-time (fixed-term) position available until 30 June 2018. Fixed term contract type: External Funding
<b>OTHER BENEFITS</b>	<a href="http://hr.unimelb.edu.au/careers/working/benefits">http://hr.unimelb.edu.au/careers/working/benefits</a>
<b>CURRENT OCCUPANT</b>	New
<b>HOW TO APPLY</b>	Online applications are preferred. Go to <a href="http://hr.unimelb.edu.au/careers">http://hr.unimelb.edu.au/careers</a> , under 'Job Search and Job Alerts', select the relevant option ('Current Staff' or 'Prospective Staff'), then find the position by title or number.
<b>CONTACT FOR ENQUIRIES ONLY</b>	Dr Therésa Jones Tel +61 3 9035 9576 Email <a href="mailto:theresa@unimelb.edu.au">theresa@unimelb.edu.au</a>  Professor Mark Elgar Tel +61 3 8344 4338 Email <a href="mailto:m.elgar@unimelb.edu.au">m.elgar@unimelb.edu.au</a>  <i>Please do not send your application to these contacts</i>

For information about working for the University of Melbourne, visit our websites:

[www.hr.unimelb.edu.au/careers](http://www.hr.unimelb.edu.au/careers)  
[www.hr.unimelb.edu.au/careers/working-at-melb](http://www.hr.unimelb.edu.au/careers/working-at-melb)

## ***Position Summary***

The Research Fellow will be responsible for designing, executing, and analysing field and laboratory experiments, as part of the research project “The dark side of night: species and community impacts of night lighting”, which is funded by an ARC Discovery grant. In particular, this research will explore the impact of light at night and will combine field and laboratory behaviour and physiological experiments together with the analyses of chemical and cues using invertebrates as model taxa. The research is part of an international collaboration between the University of Melbourne (Dr Therésa Jones and Prof Mark Elgar), the University of Exeter (Prof Kevin Gaston) and the Netherlands Institute of Ecology (Prof Marcel Visser). The research will involve field collections and experiments at locations in Victoria (Australia) and experiments with captive animals in laboratories at the University of Melbourne.

The successful applicant will coordinate field and laboratory schedules, may contribute to directing the work of a number of research students, and will assist in the preparation of presentations for conferences and manuscripts for publication.

The position is located at The University of Melbourne and reports to the Chief Investigator.

## ***1. Selection Criteria***

### **1.1 ESSENTIAL**

- ▶ PhD in behavioural or evolutionary ecology awarded or under examination.
- ▶ Demonstrated experience in conducting field research (including experiments) involving insects.
- ▶ Demonstrated capacity to design and execute robust behavioural experiments involving insects.
- ▶ Familiarity with invertebrate chemical and/or acoustic signals.
- ▶ Ability to solve biological problems through the application of theoretical principles and experimental techniques.
- ▶ Strong publication track–record.
- ▶ Evidence of high-level written and oral communication skills.
- ▶ Demonstrated ability to work independently as well as within a team in challenging field environments.
- ▶ Planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines.
- ▶ Current drivers licence.

### **1.2 DESIRABLE**

- ▶ Experience with managing personnel under field conditions

## ***2. Special Requirements***

- ▶ None

### **3. Key Responsibilities**

Working under general direction, the Research Fellow will be responsible for performing a range of research activities in support and delivery of outcomes including administrative, financial and other activities associated with the research program including:

- ▶ Design and execute behavioural ecological field and laboratory experiments, the former to take place at both local and rural locations in Australia
- ▶ Maintain laboratory cultures of invertebrates
- ▶ Coordinate analyses of insect cuticular and glandular secretions and acoustic signals
- ▶ Assemble and analyse data resulting from field and laboratory experiments
- ▶ Prepare manuscripts for publication in peer-reviewed journals and presentations for conferences that describe research outcomes from this project
- ▶ Contribute to the supervision of students involved in this project by providing academic and technical guidance when required
- ▶ Keep abreast of developments, activities and protocols in areas of expertise through liaison with staff and peers, reading relevant literature and attendance at meetings and seminars
- ▶ Comply with University policy, procedure and protocols in relation to the nature of the research being conducted
- ▶ Present conference/symposium papers on research findings at Australian and international forums
- ▶ Publish academic papers and other scholarly outputs to a high academic standard in accordance with the research expectations of the University of Melbourne
- ▶ Undertake administrative functions associated with the project including reporting to the ARC and to the project partners
- ▶ Other duties as required within the scope of the classification of this position
- ▶ Occupational Health and Safety (OH&S) and Environmental Health and Safety (EH&S) responsibilities

### **4. Other Information**

#### **4.1 ORGANISATION UNIT**

The School of BioSciences was formed in 2015 through the amalgamation of the School of Botany and the Departments of Genetics and Zoology thus bringing together a critical mass of 160 Academic staff and 240 Research Higher Degree students undertaking world class teaching and research in the biological sciences. Academics within the School are aligned to four research clusters: Ecology, Evolution and Environmental Science; Genetics, Genomics and Development; Plant Science and Computational Biology. Through cross-disciplinary collaborations within the School and with external partners the School is a major recipient of grant and contract funding totalling about \$100m per annum.

The School is a major contributor to the Bachelor of Science, Bachelor of Biomedical Science and the Environmental Science programs, its teaching program reflecting the research interests within the School.

## 4.2 FACULTY OF SCIENCE

<http://www.science.unimelb.edu.au>

Science has made important contributions to teaching and research at the University ever since it was founded in 1854. The research degree of DSc was available from the very beginning. The first BSc was conferred in 1889 and the first MSc in 1893. In 1903 the various science departments and schools were formally constituted as a Faculty. The Faculty of Science now has over 40,000 alumni and is one of the largest faculties in the University comprising seven schools: BioSciences, Chemistry, Earth Sciences, Ecosystem and Forest Sciences, Geography, Mathematics and Statistics, and Physics.

The Faculty is custodian of the Bio21 Molecular Science and Biotechnology Institute, Office for Environmental Programs and home to numerous Centres.

The Faculty manages more than \$240 million of income per annum, with a staff base in the order of 220 professional staff, and more than 500 academic staff.

The Faculty of Science offers a range of undergraduate, honours, graduate and research degrees; enrolling over 7,500 undergraduate and graduate students. The Faculty of Science is the custodial Faculty for the BSc (Bachelor of Science) with enrolments of approximately 6,200 students.

The Faculty of Science is a leader in research, contributing approximately \$50 million in HERDC income per annum. The Faculty of Science is highly research focused, performing strongly in the ARC competitive grants schemes, often out-performing the national average. The Faculty of Science is currently growing its competitiveness and standing in the NHMRC space.

The Faculty of Science provides community services and industry partnerships based on a solid foundation of research in the pure and applied sciences. The Faculty has an endowment of approximately \$45 million. The annual income from the endowment supports more than 120 prizes, scholarships and research awards.

## 4.3 THE UNIVERSITY OF MELBOURNE

The University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The University offers staff many benefits and prospective staff are encouraged to view the following web links:

[www.unimelb.edu.au](http://www.unimelb.edu.au)

[www.growingesteem.unimelb.edu.au](http://www.growingesteem.unimelb.edu.au)

[www.unimelb.edu.au/careers](http://www.unimelb.edu.au/careers)

## 4.4 EQUITY AND DIVERSITY

<http://www.hr.unimelb.edu.au/advice/equity-diversity>

#### 4.5 GOVERNANCE

The Vice Chancellor is the Chief Executive Officer of the University and responsible to Council for the good management of the University.

Comprehensive information about the University of Melbourne and its governance structure is available at [www.unimelb.edu.au](http://www.unimelb.edu.au).

## 5 *Occupational Health and Safety (OHS)*

All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct.

OHS responsibilities applicable to positions are published at:

<http://safety.unimelb.edu.au/topics/responsibilities/>

These include general staff responsibilities and those additional responsibilities that apply for Managers and Supervisors and other Personnel.