
Position Title:	Associate Lecturer / Lecturer
Position Classification:	Level A / Level B
Position Number:	NEW
Faculty/Office:	Faculty of Science
School/Division:	School of Biological Sciences
Centre/Section:	
Supervisor Title:	Associate Professor
Supervisor Position Number:	308649

Your work area

The School of Biological Sciences (SBS) provides an excellent environment for generating translatable, practical solutions to key global problems in agriculture, environmental science, biology, medicine and health, and engineering. Spanning the fields evolutionary biology, ecology and conservation, computational biology, science communication and neuroscience, our internationally-recognised experts publish in the best journals, hold patents, spin out companies and collaborate with industry, hospitals and community stakeholders.

Reporting Structure

Reports to: Associate Professor

Your role

As the appointee you will be an emerging leader in neuroscience research in the area of brain stimulation and/or brain plasticity. You will contribute to experimental design and carry out experiments using electrophysiological and imaging techniques to investigate the brain's response to magnetic and/or electrical stimulation. The Associate Lecturer / Lecturer will also need to co-supervise honours and PhD students, contribute to coordination of MSc level courses, and deliver *ad hoc* lectures, laboratories and tutorials for undergraduate units in the Neuroscience major at UWA.

Key responsibilities

Design experiments and devices to investigate the cellular and molecular mechanisms of rTMS

Build electrophysiological capacity

Establish 2-photon live animal imaging and an optogenetic toolkit within the Rodger laboratory

Submit manuscripts to international neuroscience journals

Write grant applications to support your own research projects

Supervise honours, masters and PhD students

Coordinate level 4 and 5 units in Neuroscience

Contribute to undergraduate teaching in Neuroscience

Your specific work capabilities (selection criteria)

PhD in Neuroscience

Theoretical and practical understanding of brain stimulation in rodent and in vitro models

Electrophysiological techniques including patch clamping

In vivo 2-photon excitation laser scanning microscopy (2PLSM) in rodents

Teaching experience in a Neuroscience discipline

Ability to collaborate across disciplines

Compliance

Workplace Health and Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.

Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Inclusion and Diversity

All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Inclusion and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://matrix-prod.its.uwa.edu.au/inclusion-diversity>