

Advertisement

Postdoctoral Fellow (2 positions)

**Department of Neuroscience
The John Curtin School of Medical Research
ANU College of Medicine, Biology and Environment**

Canberra/ACT

The Postdoctoral Fellows will join the Neuronal Signalling Laboratory led by Professor Greg Stuart and will study the integration of synaptic information in the brain, with a particular focus on how this information is transformed by the dendrites of neurons. The research projects will focus on the integration of information in the binocular visual cortex as well as in the somatosensory cortex. The research will involve experiments both in vitro and in vivo in rats and mice using electrophysiology (patch-clamp) and imaging (two-photon), possibly combined with behaviour and/or optogenetics and will be carried out in new state-of-the-art facilities in The John Curtin School of Medical Research.

We offer generous remuneration benefits, including four weeks paid vacation per year, assistance with relocation expenses and a collaborative working environment.

The University actively encourages applications from Aboriginal and Torres Strait Islander people.

For more information on employment opportunities, contact our Indigenous Employment Consultant on indigenous.employment@anu.edu.au ANU values diversity and inclusion and believes employment opportunities must not be limited by socio-economic background, race, religion or gender. For more information about staff equity at ANU, visit <http://hr.anu.edu.au/staff-equity>

*To be considered for this position, applications must address the selection criteria. Please frame your application accordingly.

Enquiries: Professor Greg Stuart
Phone: 61 2 6125 8927
Email: greg.stuart@anu.edu.au

Reference number: A286-14AS

Closing Date: 13 July 2014

Position Information

Postdoctoral Fellow (2 positions)

Department of Neuroscience

Responsible To:

Head, Eccles Institute of Neuroscience

Role Statement:**PURPOSE STATEMENT:**

A Level A Academic (Research Intensive) is expected to contribute towards the research effort of the institution and to develop his/her research expertise through the pursuit of defined projects relevant to the particular field of research. The Postdoctoral Fellow will support research on the integration of synaptic inputs in the brain. This externally funded research is vital to Neuronal Signalling Laboratory and the Eccles Institute of Neuroscience.

Position Dimension & Relationships:

The Postdoctoral Fellow will report to the Head, Eccles Institute of Neuroscience and collaborate with other members of the Institute, staff within the School and external stakeholders.

Role Statement:

Specific duties required of a Level A Academic may include:

- The conduct of research under limited supervision either as a member of team, or where appropriate, independently, and the production or contribution to the production of conference and seminar papers and publications from that research.

- Experimental design, and operation of advanced laboratory and technical equipment or conduct of advanced research procedures.

- Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise.

- Some administrative functions primarily connected with the area of research of the academic.

- Development of some research-related material for teaching or other purposes with appropriate guidance from other staff.

- Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/or faculty meetings and/or membership of a limited number of committees.

- Advice within the field of the staff member's research to postgraduate students.
- Other duties as allocated by the supervisor or the Vice-Chancellor consistent with the classification of the position.
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

Skill Base

A Level A Academic will normally have completed four years of tertiary study in the relevant discipline and/or have equivalent qualifications and/or research experience. In many cases a position at this level will require an honours degree or higher qualifications or equivalent research experience. Research experience may have contributed to or resulted in publications, conference papers, reports or professional or technical contributions that give evidence of research potential.

Selection Criteria:

SELECTION CRITERIA:

1. A PhD in the area of Neuroscience with a strong record of achievement at the graduate and undergraduate level and evidence of achievement via papers published in peer review journals.
2. Experience with electrophysiology (preferable patch clamp) and/or fluorescence calcium or voltage imaging (confocal or two-photon) of activity in single neurons in vitro or in vivo.
3. Excellent written and oral communication skills in English, including the ability to keep good records including computer-based information.
4. Ability to work effectively, in both a team environment and independently, with staff and students from diverse backgrounds, and the ability and willingness to assist with the supervision of undergraduate students.
5. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.