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## POSITION DESCRIPTION

# Postdoctoral Fellow

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Position Level	A
Faculty/Division	Medicine
Position Number	00088392
Original document creation	10/11/ 2020

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### Position Summary

The Postdoctoral position is funded by a US Department of Defense Breast Cancer Research Grant and an NHMRC Project Grant. The successful candidate will investigate how breast cancer cells interact with stromal cells using novel transgenic mouse models and volumetric calcium imaging. This project will push the boundaries of knowledge in the fields of breast cancer and signal transduction via cutting edge experimentation. The successful applicant will drive this research project in the Davis group. They will actively support students and other researchers in the group and help to define and drive new research directions that are aligned with the overall goals of the laboratory.

The role of Postdoctoral Fellow reports to the Group Leader in the EMBL Australia Node for Single Molecule Science, and has no direct reports.

### Accountabilities

Specific accountabilities for this role include:

- Design and execute experiments, ensuring that at all times research is conducted to the highest ethical and methodological standards.
- Analyse and interpret data and communicate to the project leader.
- Maintain detailed experimental notes and protocols.
- Take an active role in the preparation of manuscripts, abstracts, posters and grant/fellowship applications, as appropriate.
- Apply for competitive travel awards to attend national and/or international meetings to present research findings to the wider scientific community.

- Train and supervise research staff and students.
- Assist in the design and implementation of science outreach and communication events.
- Establish and maintain collaborations with potential and current research partners.
- Complete administrative functions primarily connected to the area of research.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#).
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

### **Skills and Experience**

- PhD in cell biology, biophysics or a related area.
- Demonstrated expertise in animal experimentation.
- Demonstrated experience with light microscopy (calcium imaging, confocal imaging and/or intravital imaging are an advantage).
- Track record of driving and publishing high quality scientific research papers in a relevant area or field
- Experience in writing and obtaining research funding.
- Excellent oral and written communication skills and attention to detail.
- Proven ability to work effectively as a member of a diverse and inclusive team, including training and mentoring of students.
- Demonstrated commitment to institutional and/or academic service.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training

#### **About this document**

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.