



Centre for Vascular Research
Faculty of Medicine
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OPEN POSITIONS

Cell Membrane Biology Group

Research Officer for Microscopy

The Centre for Vascular Research is developing high-resolution light microscopy for the imaging of single molecules in live cells and tissues. We are looking for a microscopist//research officer to implement and operate state-of-the-art light microscopes and associated equipment as well as interface with researchers. The successful applicant will assist in the set-up, maintenance and operation of 2-photon, confocal and TIRF microscopy for the imaging of biological specimens. In addition, he or she will interface with researchers and provide training to new users in the development of imaging protocols. We seek a highly motivated researcher with extensive microscopy experience and an interest in managing a multi-user facility.

<http://www.hr.unsw.edu.au/services/recruitment/jobs/30110730.html>

Research Assistant

The activation of T lymphocytes is an essential part of immune responses. The machinery for T cell receptor (TCR)-induced signalling and activation segregates the plasma membrane into specialised membrane domains. The purpose of this study is to evaluate the role of ordered membrane domains for T cell signalling and activation. The work involves the isolation, culturing and activation of lymphocytes (primary cells and cell lines), the manipulation and analysis of protein expression and phosphorylation levels, analysis of protein secretion, manipulation and analysis of lipid levels, as well as advanced light microscopy techniques.

<http://www.hr.unsw.edu.au/services/recruitment/jobs/30110709.html>

Research Assistant

Focal adhesions are not only the sites of cell adhesion to the extracellular matrix (ECM) but also the organization centre for many signalling pathways. We have developed model surfaces using unique surface chemistry and seek a Research Assistant to join our research team and investigate the role of cell adhesion and migration on functionalized surfaces. The successful applicant will have a strong background in cell biology or related disciplines. The work involves the culturing of primary cell and cell lines, the manipulation and analysis of protein expression and phosphorylation levels as well as advanced light microscopy techniques.

<http://www.hr.unsw.edu.au/services/recruitment/jobs/30110713.html>