



## **Bioinformatics/Computational Proteomics Research Analyst**

The University of Melbourne Bio21 Molecular Science and Biotechnology Institute is a multidisciplinary research centre, specialising in medical, agricultural and environmental biotechnology. It is one of the largest biotechnology research centres in Australia, accommodating more than 500 research scientists, students and industrial participants.

The Victorian Partnership for Advanced Computing (VPAC) is an advanced computing and eResearch service provider, employing about 65 staff.

The Bio21 Institute's Proteomics Core facility provides open access mass spectrometry to research groups from the University of Melbourne and surrounding research institutes in the Parkville precinct. The facility supports over 60 biochemists working on a huge variety of projects (cancer, immunology, Alzheimer's, etc) that require computational and statistical support for proteomic data analysis, data management, and training.

Bio21 and VPAC are seeking a bioinformatician to supplement our team supporting the proteomics researchers. This new role will implement informatics solutions to manage, search, and display proteomics datasets, and provide expert scientific and technical support to the national constituency of the Australian Proteomics Computational Facility, also in Parkville.

The role requires relevant experience in a biomedical research environment, and superior oral and written skills to successfully interact with the broad group of research scientists and doctoral students.

The successful candidate will have opportunities to identify, assess, and introduce new proteomic software tools in addition to becoming an expert to train and support researchers with applications.

Knowledge of mass spectrometry, peptide fragmentation and sequencing, basic biochemistry or immunology, and an understanding of applications such as MASCOT, XTANDEM, OMSSA, MRMPilot, MultiQuant, ProteinPilot, and Swis-Prot would be advantageous.

Exposure to advanced users requiring more sophisticated bioinformatic assistance, such as with iTRAQ experiments, peptide quantitation, and MHC peptide analysis will assure a stimulating environment and professional growth in bioinformatics research.



The role has the potential to engage in collaborative work with research projects, contribute to scientific publications, supervise doctoral students, participate in grant funding opportunities, and presenting course work guest lectures to both graduate and undergraduate students at the University of Melbourne.

Applicants should have a first degree in a scientific or computational discipline and preferably a postgraduate degree (PhD or masters) or significant experience in bioinformatics or computational biology.

An attractive remuneration package will be negotiated commensurate with experience for an initial term of 3-years.

Applicants who are not Australian citizens or permanent residents must detail their visa status in their cover letter. Visa assistance may be provided for an outstanding candidate.

Applications should be sent to [recruitment@vpac.org](mailto:recruitment@vpac.org) by 10 October 2010.

For more information contact

Dr Nicholas Williamson [nawill@unimelb.edu.au](mailto:nawill@unimelb.edu.au)  
Dr Mike Kuiper [mike@vpac.org](mailto:mike@vpac.org)