



Australian Government



Nuclear-based science benefiting all Australians

Post Doctoral Fellowship
Quasi-Elastic Neutron Scattering
2 year term (with possible 1 year extension)
Salary range: A\$74,890 (plus 15.4% superannuation)

ANSTO is one of Australia's foremost scientific research and development organisations, focused on delivering the benefits of nuclear science to the Australian community.

The Bragg Institute is the research center for the construction and use of neutron-scattering instrumentation at the new OPAL reactor close to Sydney. Scientists at the institute help users of this instrumentation to solve complex research and industrial problems in many important fields of physics, chemistry, biology and material sciences, as well as pursuing their own research interests.

We are currently seeking a PhD graduate in physics, chemistry, biology or materials science, with strong problem solving skills, good communication skills, and a proven publication record who can work well within small cross-disciplinary teams, including researchers using both experimental and computer modelling approaches.

The successful candidate will engage in a research program that has two related aspects. Firstly, to ensure that we can offer good analysis/modeling support for our future users of quasi-elastic and inelastic neutron-scattering (QENS and INS, respectively). This will involve further development of our in-house analytical expertise, which will then be brought to a form suitable for the general user-community. Secondly, we are interested in the dynamics of water and ions in a variety of complex systems, such as biological, energy or waste-storage materials, which we are already studying using QENS and INS. This position provides the opportunity to become involved in any of these research areas and would become the test-bed for the analysis/modeling utilities. Whilst previous neutron-scattering experience would be an advantage, good research and computer-analysis skills are most important.

The successful Post Doctoral Fellow will interact closely with national and international collaborators and will have the opportunity to publish in high impact journals, present their work at international conferences, and to access major facilities through existing networks of the collaborative partners.

To be eligible for appointment, applicants will require a security and medical assessment.

For further technical information relating to this position please contact Don Kearley on +61 (02) 9717 7274.

TO APPLY and view the Position Information package please visit www.ansto.gov.au and follow the links to the vacancies page or contact Megan Lusty-Evans on (02) 9717 3094. Applications **must** be submitted on-line via our website.

For further information please consult the vacancies page of our website www.ansto.gov.au

Applications close: 30th November 2010