

Postdoctoral Fellow in Atom Optics Melbourne, Australia

We are seeking a Postdoctoral Research Fellow with strong experimental skills in laser cooling and a solid theoretical background in ultracold quantum gases and quantum physics to work on an existing project, funded by the Australian Research Council, in the Centre for Atom Optics and Ultrafast Spectroscopy, Swinburne University of Technology in Melbourne. (<http://www.swin.edu.au/caous>).

The project involves the implementation of periodic lattices, based on micron-scale magnetic microstructures patterned on an atom chip, to trap and manipulate periodic arrays of ultracold atoms and quantum degenerate gases and to create lattice symmetries of arbitrary geometry, including honeycomb lattices, to simulate condensed matter phenomena. The basic laser cooling, Bose Einstein condensate and atom chip equipment is currently operating and state-of-the art nanofabrication and characterization facilities are available in the University.

Salary and Benefits

- Academic Level A/B Salary: \$70,174-\$79,230 plus 17% superannuation
- Full time position, fixed term until February 2015 based at Hawthorn Campus in Melbourne

As a Swinburne staff member you will have access to many benefits and opportunities including salary packaging options, dedicated professional development funding,

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How to Apply

For position information and to apply online go to: www.swinburne.edu.au/jobs

For further information about the position, please contact Professor Peter Hannaford, PHannaford@swin.edu.au.

Refer to Position Number: 29720
Applications close 5 pm, 4 January 2013