

**Postdoctoral positions in
Atomic Quantum Technology
at University of Strathclyde**

<http://photonics.phys.strath.ac.uk/>

University of Strathclyde has established a position as a leading UK centre for Quantum Technology covering activities from fundamental and applied research through technology development to industrialisation. The University and the Department of Physics have as strategic aims to support and expand these activities through appointments of academic and research staff as well as postgraduate students.

The Experimental Quantum Optics and Photonics (EQOP) group is central to the activities of the EPSRC funded Quantum Technology Hub in Sensing and Timing with active research and development projects in atomic clocks and magnetometry. This is part of an extensive programme seeking to translate fundamental research in atom-photon interactions to applications in sensing and metrology. A particular aspect of our work is technology development towards miniaturisation and ultimately manufacturability of atomic devices, that can be operated outside a laboratory environment.

We are currently seeking to appoint postdoctoral fellows to join the team, who are enthusiastic about launching a career in challenge-driven applied quantum research. Specifically, we seek to strengthen our teams working on:

- Compact, laser-cooled atomic clocks
- Portable atomic magnetometers (for geomagnetic and magnetoencephalography applications)
- Neutral atom quantum computing with Rydberg atoms

Posts are full time and available immediately for a period of 24-30 months.

Successful candidates will have significant experimental experience in atomic physics and the ability to lead and develop a research project. Documented experience preferably includes one or more of the following general areas: precision measurements using lasers, atomic clocks, laser cooling and atomic magnetometry.

Salary range: £32.8 - £40.3k pa + superannuation contributions. For candidate with exceptional research leadership credentials the salary range can be extended to £48k pa for the quantum computing post.

Enquires to Erling Riis (e.riis@strath.ac.uk), Paul Griffin (paul.griffin@strath.ac.uk) or Jonathan Pritchard (jonathan.pritchard@strath.ac.uk).

Based on the most recent REF GPA Scores, Times Higher Education ranked Strathclyde as number one in the UK for physics research. The EQOP group, with seven academics and 40 post-doctoral and PhD researchers, has activities in quantum simulation, quantum computing, atom interferometry, quantum gas microscopes, non-linear photonics, and Rydberg systems. The group is based in state-of-the-art labs in the Glasgow city-centre campus of the University of Strathclyde.