

Research Associate - Theory of Open Quantum Systems

Thu, 2016-02-11 14:00 - [Ahsan Nazir](#) [1] **At:** The University of Manchester

Deadline: 6 March, 2016

Location

The University of Manchester Alan Turing Building
Manchester M13 9PL United Kingdom
53° 28' 5.2572" N, 2° 13' 53.4" W
See map: [Google Maps](#) [2]

Research Associate - Theory of Open Quantum Systems

See <https://www.jobs.manchester.ac.uk/displayjob.aspx?jobid=11012> [3] for further particulars

In this EPSRC-funded position, you will specialise in developing the theory of the dynamics and thermodynamics of open quantum systems beyond weak-coupling regimes, with application to solid-state and molecular systems.

You must possess a PhD in quantum physics or a related discipline, and an active interest and excellent track record of publications in areas such as the theory of open quantum systems, quantum optics, and quantum nanosystems.

Experience of non-perturbative numerical approaches to modelling open quantum systems, or many-body quantum states would be an advantage.

You should be well-organised, self-motivated, and able to work effectively with a variety of collaborators, both theoretical and experimental.

You will be working under the supervision of Dr Ahsan Nazir, as part of an EPSRC Early Career Fellowship project "Redrawing the boundaries: new approaches to many-body open quantum systems", please see:

<http://gow.epsrc.ac.uk/NGBOViewGrant.aspx?GrantRef=EP/N008154/1> [4].

The post is available immediately for a period of 24 months, with the potential for further extension subject to funding.

The University of Manchester values a diverse workforce and welcomes applications from all sections of the community.

Enquiries about the vacancy, shortlisting and interviews:

Dr Ahsan Nazir, EPSRC Early Career Fellow

Email: [ahsan dot nazir at manchester dot ac dot uk](mailto:ahsan.nazir@manchester.ac.uk)

Tel: 0161 275 1014

- [Postdoc](#) [5]

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