

Postdoctoral Research Assistant in Designing Out-of-equilibrium Many-body Quantum Systems

Mon, 2017-05-08 12:55 - [Helena Gardner](#) [1] **At:** Department of Physics, University of Oxford
Deadline: 26 May, 2017

Location

Department of Physics, Clarendon Laboratory Parks Road
Oxford OX1 3PU United Kingdom
51° 45' 35.9928" N, 1° 15' 22.7268" W
See map: [Google Maps](#) [2]

Applications are invited for a Postdoctoral Research Assistant in Designing Out-of-equilibrium Many-body Quantum Systems.

This project is part of a targeted research effort supported by an EPSRC programme grant, with the aim of developing approaches to deterministically designing quantum systems out of thermal equilibrium. The postholder will primarily work on understanding the emergence of novel properties in periodically driven quantum systems and the role of coherence and dissipation in these setups. The work will be theoretical and is expected to contain analytical and numerical components. It will be carried out in close collaboration with theoretical and experimental partners in the project consortium.

Applicants should possess, (or be very close to obtaining) a doctorate in physics or a related field, and have a strong background and expertise in ultracold atom physics, analogue quantum simulation and non-equilibrium quantum dynamics. Previous experience in numerical work will be an advantage.

The postholder will have the opportunity to teach.

This post is fixed-term for 2 years with a possible extension.

Please direct informal enquiries about the role to Dieter Jaksch ([dieter \[dot\] jaksch \[at\] physics \[dot\] ox \[dot\] ac \[dot\] uk](mailto:dieter.jaksch@physics.ox.ac.uk)^{target=blank})>dieter [dot] jaksch [at] physics [dot] ox [dot] ac [dot] uk [3]).

Applicants are required to upload statements about (i) their research interests and how they align with the project and (ii) on how their expertise fulfils the selection criteria listed in the further particulars, and a CV including a complete list of publications highlighting the five publications most relevant for the post. Two academic references to be sent to Monika Porada ([monika \[dot\] porada \[at\] physics \[dot\] ox \[dot\] ac \[dot\] uk](mailto:monika.porada@physics.ox.ac.uk)^{target=blank})>monika [dot] porada [at] physics [dot] ox [dot] ac [dot] uk [3]) by the application deadline are also required.

The deadline for applications is 12.00 noon on 26 May 2017. Late applications may be considered until the post is filled.

Contact Person :	recruitment administrator	Vacancy ID :	128599
Contact Phone :		Closing Date :	26-May-2017
Contact Email :	personnel [at] physics [dot] ox [dot] ac [dot] uk (subject: Postdoctoral %20Research%20Assista		

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%20Systems)

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