

Postdoctoral Research Assistant in Atmospheric Dynamics

University of Oxford - Department of Physics

Location: Oxford

Salary: £31,076 to £38,183

p.a.

Hours: Full Time

Contract Type: Contract / Temporary

Placed on: 10th February 2017

Closes: 24th February 2017

Job Ref: 127501

Parks Road, Oxford

The Department of Physics, University of Oxford, is seeking a postdoctoral researcher on the DOCILE project (Drivers Of Change In mid-Latitude weather Events), funded by the UK Natural Environment Research Council.

This is a 24 month fixed-term post (with the possibility of a 12 month extension, dependant on funds).

The researcher will work primarily with Myles Allen and Tim Woollings in Atmospheric, Oceanic and Planetary Physics (AOPP), and be based in the Atmospheric Dynamics group in AOPP, but will also work closely with co-investigators at Oxford University (Tim Palmer, Friederike Otto, David Wallom), Bristol University (Dann Mitchell) and Reading University (Ted Shepherd).

The project will employ the very large ensembles (>1000 members) of simulations made possible by the climateprediction.net distributed computing project, applied for the first time to a high-resolution version of the UK Met Office Hadley Centre atmospheric model, to investigate the dynamics of extreme heatwave and precipitation events in Northern mid-latitudes. The researcher will study the link between mid-latitude flow regimes and surface meteorology, aiming to use this information to provide more reliable assessments of how human induced climate change may be altering the probability of specific climate-related weather events. The postholder will have the opportunity to teach.

This post will require a PhD (or be close to obtaining) in a relevant quantitative discipline and a good understanding of atmospheric dynamics and meteorology. Experience of working with general circulation models and extreme value statistics are desirable but not essential. A willingness to engage with the broader event attribution community and explore the policy implications of this research is essential.

Please direct enquiries about the role to Myles Allen (myles.allen@physics.ox.ac.uk), Tim Woollings (tim.woollings@physics.ox.ac.uk) or Dan Mitchell (daniel.mitchell@physics.ox.ac.uk).

You will be required to upload a statement of research interests, CV and details of two referees as part of your online application.

Only applications received before 12.00 midday on Friday 24 February 2017 can be considered.

https://www.recruit.ox.ac.uk/pls/hrsliverecruit/erq_jobspec_version_4.jobspec?p_id=127501