

Post-Doctoral Opportunities in Climate Variability

University of Exeter

College of Engineering, Mathematics and Physical Sciences
Exeter Climate Systems Research Centre

The College wishes to recruit four Associate Research Fellows/Research Fellows to support the work of the Exeter Climate Systems Research Centre. These NERC-funded posts are available immediately for between 42 to 48 months.

The EuroClim project aims to advance our fundamental dynamical understanding of three key mechanisms that influence seasonal weather, especially over Europe: North Atlantic upper-ocean heat content, Arctic sea-ice, and the stratosphere. The project will use a mixture of theory, state-of-the-art coupled climate model experiments, idealised dynamical frameworks and advanced statistical techniques. There will be scope for creative independent research across all aspects of the project. The Met Office is a Project Partner, and the ultimate goal is improved seasonal forecasts over Europe. Successful candidates will be part of a team working at the University of Exeter, in collaboration with the Met Office Monthly to Decadal Prediction group.

We seek to appoint four outstanding researchers to contribute to the project across the areas of theory, reduced complexity models, climate models, stratosphere-troposphere coupling, cryospheric effects on climate, ocean-climate interactions, and statistical modelling. The successful applicants will be able to present information on research progress and outcomes, communicate complex information, orally, in writing and electronically and prepare proposals and applications to external bodies.

Applicants will possess a relevant PhD (Mathematics, Statistics, Meteorology, Physics or a related discipline) and be able to demonstrate sufficient knowledge in the discipline and of research methods and techniques to work within established research programmes. At Research Fellow level, the successful applicant will be a nationally recognised authority in one of these areas and be able to develop research programmes and methodologies. The successful applicant will also be able to work collaboratively, supervise the work of others and act as team leader as required.

Excellent cross-disciplinary communication skills are essential. Experience in numerical/statistical simulations or in computational science related to climate science (e.g., managing large data sets) are desirable. Candidates will have demonstrated the ability to carry out creative, innovative, independent research, and the ability to publish in peer-reviewed journals.

For further information contact Professor Mark Baldwin (M.Baldwin@exeter.ac.uk), Professor Geoff Vallis (G.Vallis@exeter.ac.uk), Professor Mat Collins (M.Collins@exeter.ac.uk), Professor David Stephenson (D.B.Stephenson@exeter.ac.uk), Dr James Screen (J.Screen@exeter.ac.uk), or Dr Danny Williamson (D.Williamson@exeter.ac.uk).

Job Details

Apply at: <https://jobs.exeter.ac.uk/>

Job title: Associate Research Fellow/Research Fellow

Job reference: P47704 Date posted 17/09/2014 Application closing date 16/10/2014 (UK convention)

Salary: £25,513 on Grade E up to £33,242 on Grade F, depending on qualifications and experience

Package: Generous holiday allowances, flexible working, pension scheme and relocation package (if applicable)

Job category/type: Research

Job description: Associate Research Fellow/Research Fellow in Mechanisms of Climate Variability

The College is working towards department Silver Athena SWAN awards as a commitment to providing equality of opportunity and advancing the representation of women in STEM/M subjects: science, technology, engineering, mathematics and medicine.