



## THE POST

|                      |  |
|----------------------|--|
| <b>College:</b>      | <b>College of Engineering, Mathematics and Physical Sciences</b> |
| <b>Post:</b>         | <b>Postdoctoral Research Associate</b>                           |
| <b>Reference No:</b> | <b>P62800</b>  |
| <b>Grade:</b>        | <b>E</b>   |
| <b>Reporting To:</b> | <b>Prof Mat Collins</b>  |

The above full-time post is available 1st July 2018-31 March 2020 in the College of Engineering, Mathematics and Physical Sciences.

### Job Description

#### **Main purpose of the job:**

Process-based investigations of the roles of El Nino and other teleconnections in affecting East Asian climate and their behaviour in seasonal and seasonal-decadal predictions, including the role of model drifts. The work is part of a project funded by the Climate Science for Services (CSSP) China programme. The project aims to better understand the factors determining the variability and predictability of East Asian climate on seasonal to decadal timescales.

#### **Main duties and accountabilities:**

1. To undertake research as appropriate to the field of study. The responsibilities may include all or some of the following:
  - Developing research objectives, projects and proposals;
  - Conducting individual or collaborative research projects;
  - Extending, transforming and applying knowledge acquired from scholarship to research and appropriate external activities;
  - Writing or contributing to publications or disseminating research findings using media appropriate to the discipline;
  - Making presentations at conferences or exhibiting work in other appropriate events;
  - Resolving problems of meeting research objectives and deadlines;
  - Deciding on /following research programmes and methodologies, often in collaboration with colleagues and sometimes subject to the approval of the head of the research programme on fundamental issues.
2. To routinely communicate complex and conceptual ideas to those with limited knowledge as well as to peers using high level skills and a range of media and to present the results of scientific research to sponsors and at conferences.

This job description summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility. Please visit the Human Resources website to view the Research Fellow role profiles.

### **Person Specification**

| <b>Competency</b>          | <b>Essential</b>  | <b>Desirable</b>                |
|----------------------------|-------------------|---------------------------------|
| Attainments/Qualifications | PhD or equivalent | Experience in climate modelling |

|                             |  |  |
|-----------------------------|--|--|
|                             | qualification/experience in a related field of study.  |  |
| Skills and Understanding    | Possess sufficient knowledge to implement research programmes and methodologies specified by the project PI.                   | Record of research output in high quality publications.  |
| Prior Experience            | Manipulation of complex climate model datasets and observational datasets.   | Publications in climate science  |
| Behavioural Characteristics | Good written and verbal communication skills.<br>Able to communicate complex and conceptual ideas to other climate scientists. | Evidence of the ability to collaborate actively within the Institution and externally to complete research projects and advance thinking.<br>Able to participate in and develop external networks.<br>Able to balance the pressures of research, administrative demands and competing deadlines. |
| Circumstances               |  |  |

### **Informal Enquiries**

Before submitting an application you may wish to discuss the post further by contacting Prof Mat Collins, Joint Met Office Chair in Climate Science, telephone (01392 723984) or email [M.Collins@exeter.ac.uk](mailto:M.Collins@exeter.ac.uk).

### **Terms & Conditions**

Our Terms and Conditions of Employment can be viewed [here](#).

### **Further Information**

Please see our [website](#) for further information on working at the University of Exeter.