

Research Associate - in ice core science (Fixed Term)

The Department of Earth Sciences, University of Cambridge, is seeking a Post-doctoral research associate (PDRA) in ice core science. The role is to develop analysis methods and research for use initially on a core aimed at assessing the state of the West Antarctic Ice Sheet at the last interglacial. The programme is funded by the European Research Council and the PDRA is for 3 years. Ideally the candidate would start in June 2018.

This post is part of the WACSWAIN project which will retrieve a core to bedrock at Skytrain Ice Rise, bordering the Ronne Ice Shelf and the West Antarctic Ice Sheet. The duties of this PDRA position will include developing a system to measure total air content in this and other cores, and assessing whether it can be used to determine changes in altitude of the ice sheet. They will also lead work on the dating of the new core, and take part with colleagues in the analysis and interpretation of the core. Participation in one Antarctic field season is anticipated.

Applications are invited from candidates with relevant expertise and knowledge in palaeoclimate and geochemistry, preferably including postgraduate work on ice cores. Expertise in developing laboratory equipment, especially involving gas extraction and measurement systems is required, and polar field experience would be advantageous. They should be able to demonstrate knowledge of issues around the links between ice sheets, sea level and climate.

The candidate will have (or be about to obtain) a PhD in a relevant area and have significant experience in geochemistry and paleoclimatology, good communication skills, the ability to work in a team, good IT and data handling skills, and preferably a track record of publication in peer-reviewed journals.

Fixed-term: The funds for this post are available for 3 years in the first instance. The University and the Department are committed to equality and diversity, the University holds an institutional Athena-SWAN silver award and the Department is a bronze award holder. Details of some of the family-friendly policies operated by the University are at: <http://www.hr.admin.cam.ac.uk/pay-benefits/cambens-employee-benefits/family-friendly>.

Enquiries concerning this position should be directed to Prof. Eric Wolff (ew428@cam.ac.uk).

Please quote reference LB14588 on your application and in any correspondence about this vacancy. **To apply go to <http://www.jobs.cam.ac.uk/job/16415/>**