UNIVERSITY OF CAMBRIDGE
Department of Earth Sciences

Postdoctoral Research Associate in Igneous Geochemistry

We are currently advertising two fixed-term postdoctoral positions in igneous geochemistry: this one at http://www.jobs.cam.ac.uk/job/10200 and http://www.jobs.cam.ac.uk/job/10199

This Postdoctoral Research Associate is to work as part of a NERC-funded study investigating the oxidation state of the mantle via basaltic geochemistry.

The position is available starting 1 August 2016 for a period of up to 36 months. The research will involve trace element microanalysis and stable vanadium isotope determinations of mineral phases from Icelandic basalts. The microanalysis will take in place in Cambridge, utilizing recently expanded analytical capabilities including FEG-SEM QEMSCAN and a new laser ablation system. Stable isotope analysis will take place at Imperial College London employing a newly installed next generation MC-ICP-MS. There will be at least one field season in Iceland to collect appropriate material.

The successful candidate will be based in Cambridge and join a strong and expanding group with expertise in mantle petrology, geochemistry and numerical modeling. The successful candidate will join the Mass Spectrometry and Isotope Geochemistry Group (MAGIC) at Imperial College on multiple 4-6 week visits for vanadium isotope analysis.

Candidates should either hold a PhD (or equivalent) in igneous petrology, isotope geochemistry, or a closely related field, or have recently submitted a PhD dissertation in that area

Although training in relevant analytical techniques will be provided, experience of one or more of the following would be advantageous: trace element microanalysis by laser-ablation, isotope measurement by multi-collector inductively coupled plasma mass spectrometry, scanning electron microscopy. The successful candidate will also have a track record of publication in peer-reviewed international journals and will have good communication skills in order to present results at international meetings.

Fixed-term: The funds for this post are available for 3 years in the first instance.

Further particulars and information at http://www.jobs.cam.ac.uk/job/10200, you can use this link to apply online for this vacancy from the University's Job Opportunities pages. There you will need to click on the 'Apply online' button and register an account with the University's Web Recruitment System (if you have not already) and log in before completing the online application form.

Informal enquires about the position should be made to John Maclennan (jcm1004@cam.ac.uk) and Julie Prytulak (j.prytulak@imperial.ac.uk).

Should you have any questions about the application process, please contact Jane@esc.cam.ac.uk. Please quote reference LB08982 on your application and in any correspondence about this vacancy. The University values diversity and is committed to equality of opportunity.

The University has a responsibility to ensure that all employees are eligible to live and work in the UK.

The Department is committed to equality and diversity. 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. The University holds an institutional Athena-SWAN silver award and the department is a bronze award holder.

The closing date is **11 June 2016.**

See also our website http://www.esc.cam.ac.uk
Department of Earth Sciences, Downing Street, Cambridge CB2 3EQ, UK.

Athena SWAN Silver Award

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