

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/10199> and <http://www.jobs.cam.ac.uk/job/10200>

This Postdoctoral Research Associate is to work as part of a NERC-funded Deep Volatiles consortia (<http://www.deepvolatiles.org>, "Mantle Reservoirs: Origins and Fluxes") and investigate links between the oxidation state of the mantle and the sulfur cycle via basalt geochemistry.

The position is available starting 1 August 2016 for a period of up to 24 months. The research will involve chalcophile element concentration and stable isotope determinations in well characterized natural samples, including Icelandic basalts. Stable isotope analyses will take place within the newly-refurbished clean-lab suite within the Department of Earth Sciences, employing a newly installed Thermo Neptune Plus MC-ICP-MS. Trace element analyses will be carried out either within the Department of Earth Sciences, which houses a newly-installed Perkin Elmer Nexion quadrupole ICP-MS and laser ablation system and a Thermo Element, or at the Open University, using the new Agilent QQQ ICP-MS.

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 candidate will also become a member of the Deep Volatiles consortium, which links 12 leading UK Earth Science Departments and currently funds ~ 20 early-career researchers and PhD students, and they will have the opportunity to participate in consortia-related workshops and meetings.

Candidates should either hold a PhD (or equivalent) in igneous petrology, isotope geochemistry, or a closely related field, or will have recently submitted a PhD dissertation in that area by the time of appointment.

Although training in relevant analytical techniques will be provided, experience of one or more of the following would be advantageous: clean-laboratory sample preparation, radiogenic and/or stable isotope determination by MC-ICP-MS or TIMS, trace element analysis in laser ablation and/or solution modes. The successful candidate will have excellent communication skills in order to present results at international meetings and ideally have a track record of publication in peer-reviewed international journals.

Fixed-term: The funds for this post are available for 2 years in the first instance.

Further particulars and information at <http://www.jobs.cam.ac.uk/job/10199>, 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 Helen Williams (hmw20@cam.ac.uk) and Frances Jenner (frances.jenner@open.ac.uk).

Should you have any questions about the application process, please contact Jane@esc.cam.ac.uk

Please quote reference LB08981 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 closing date is **11 June 2016**.

See also our website <http://www.esc.cam.ac.uk>

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