



**British
Geological Survey**
NATURAL ENVIRONMENT RESEARCH COUNCIL

Applied geoscience for our
changing Earth

STABLE ISOTOPE RESEARCH GEOCHEMIST

The British Geological Survey (BGS), founded in 1835 is part of the Natural Environment Research Council (NERC), and is the world's longest-established national geological survey and the UK's premier centre for earth science information and expertise. A vacancy has arisen for a highly motivated and enthusiastic Stable Isotope Research Geochemist at our headquarters in Keyworth.

You will join the NERC Isotope Geosciences Laboratory (NIGL) and primarily conduct collaborative research in stable isotope mass spectrometry that comprise fields as diverse as hydrochemistry, pollution, geology, sedimentary processes, fluid processes, and climate-related research areas.

Your work will interface mainly with seven research and technical staff operating eight gas source mass spectrometers and ancillary equipment, but in parallel you will integrate your work with ~10 additional NIGL staff in radiogenic isotopes, geochronology, and plasma ionisation mass spectrometry and additional BGS scientific staff, while developing vibrant collaboration with the UK environmental science sector.

You should be educated to a PhD level in earth, environmental or related sciences, and will have experience in the measurement, research application, and publication of light element (i.e. H, C, N, O, Si, S) stable isotope ratios. While NIGL employs these techniques in a broad range of research topics, you will be expected to take responsibility for hydrochemistry, pollution studies, and surficial and solid earth geochemistry.

With a first degree and PhD in earth, environmental or related science, you must also have post-doctoral research experience and outputs (including publication) in light element stable isotope techniques in geochemistry with some diversity in applications in environmental / geological science. Knowledgeable about innovative developments in this field of research, you will display vision and leadership potential.

Duties will involve: providing collaborative isotope research support to projects led by UK university and other NERC institute (especially BGS) scientists; developing and winning funding for related research; active involvement in the running, maintenance, and development of stable isotope analytical systems; training, supervision/mentoring of students and visiting scientists, and working integrally and collegially within the NIGL scientific team.

Starting salary will be between £26,180 per annum to £37,120 per annum depending on qualifications and experience. Working hours will be 37 per week excluding lunch breaks. A generous benefits package is also offered, including a company pension scheme, childcare allowance, 30 days annual leave plus 10.5 days public and privilege holidays.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at <https://ext.ssc.rcuk.ac.uk> and complete an online application form. Applicants who would like to receive this advert in an alternative format (e.g. large print, Braille, audio or hard copy), or who are unable to apply online should contact us by telephone on 01793 867003, Please quote reference number IRC39361.

When using this website use Job area-Science
Location-NERC-British Geological Survey

Closing date for receipt of application forms is 25 February 2012.

The Natural Environment Research Council is an equal opportunities employer and welcomes applications from all sections of the community. People with disabilities and those from ethnic minorities are currently under-represented and their applications are particularly welcome. The British Geological Survey is an *Investors in People* organisation. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

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