



Laboratory Geochemist

UKRI – NERC – BGS

Keyworth, Nottingham

£24,435 to £32,997 per annum (depending on qualifications and experience)

Full-Time – 37 hours a week (a range of flexible working options may be available)

Fixed Term Appointment (2 years)

About us

The British Geological Survey (BGS) is an applied geoscience research centre that is housed in UK Research and Innovation (UKRI) and affiliated to the Natural Environment Research Council (NERC). It is a world leading geological survey that provides a core science mission to inform government of science related to the subsurface and its interfaces and also undertakes applied research for solutions to earth and environmental processes, both in the UK and globally. It is funded directly by UKRI as well as through research grants and via private sector contracts.

BGS has an annual budget of approximately £60 million and employs 650 people. It has two main sites, a head office in Keyworth near Nottingham and the Lyell Centre, which is a joint collaboration with Heriot Watt University in Edinburgh. BGS works with more than 150 private sector organisations as well as having close links with 40 universities and sponsors approximately 100 PhD students each year.

BGS has an opportunity for a highly motivated and experienced scientist to assume the role of Laboratory Geochemist based at our headquarters in Keyworth in Nottingham.

About the role

With proven scientific experience and a passion for Geochemistry, your work will include:

- To support experimental activities in the BGS Hydrothermal Laboratory of the Fluid Processes Research Facility.
- Running experiments (including assembly, sampling and analysis of data from high-pressure and high-temperature experiments/environments).
- Data analysis, manipulation, interpretation and reporting.
- Presentation of results to both internal and external customers/stakeholders.
- Assisting with the design, build and maintenance of new and existing experimental equipment.
- General laboratory duties – to fulfil Q.A. requirements, including instrument calibration, administrative/office duties, ordering of consumables as well as Health & Safety requirements and documentation.

Appropriate training including both internal and external courses will be provided for the successful candidate.



You will also be expected to:

- Assist Geochemical modelling for interpretation of experiments as well as predictive modelling for the design of new work and extension of laboratory data to longer terms.
- Assist field activities based around sampling at study sites – such as fluid and solid sampling relevant to geothermal or Carbon Capture & Storage (CCS) activities, both within the UK and overseas.

About you

With a good degree (and desirably an MSc or PhD) in Geochemistry or a related subject, or the equivalent industry and/or academic work experience, you must be able to demonstrate practical laboratory experience.

You will be an enthusiastic team player, have an aptitude for problem solving and have excellent levels of numeracy, including evidence of data analysis and/or statistical analysis.

You will be a self-starter – initially under supervision but then able to undertake and lead lab-based activities and various project tasks unsupervised. You must also be willing to spend short periods of time on fieldwork away from home/office both within the UK and overseas.

Please also refer to the specific essential and desirable skills criteria for this post.

What we offer

A generous benefits package is also offered, including a very competitive pension scheme, 30 days annual leave plus bank holidays, free parking and access to flexi-time. For a salary at the top end of the advertised range, you will also need to meet the desirable criteria detailed on the TopCareer.jobs website.

We also offer the 'Bike to Work' scheme, free parking, health and wellbeing support, social clubs and on-site sports facilities.

Please note that any internal BGS staff applying for this post would, if successful, be appointed to new UKRI Terms and Conditions and pay.

How to Apply

Applicants are required to include a cover letter outlining their suitability for this role. We would stress the importance of this paperwork in our selection process. **A well thought through application addressing the advertised essential and desirable criteria for the post will be considered far more favourably than a generic covering letter and CV.**

Applications are being handled by UK Shared Business Services, to apply please visit our job board at http://www.topcareer.jobs/Vacancy/irc248652_9229.aspx

Applicants who are unable to apply online should contact us by telephone on +44 (0)1793 867000.



Closing date for receipt of applications is 19 March 2019, interviews will be held on Tuesday 2 April 2019.

BGS provides a range of flexible working options including flexible working patterns, compressed hours and home working so if you have a need for flexibility, please raise this in the recruitment process when your needs, balanced with the requirements of the role, will be fully considered.

We are committed to promoting equality and diversity across our organisation as well as across all areas of our science community. As such, we aim to have a workforce with employees from all backgrounds with people who are passionate about earth science and who share our commitment to work for the good of the environment and the benefit of society.

We will actively seek to avoid discrimination on the grounds of age, being or becoming a transsexual person, being married or in a civil partnership, being pregnant or on maternity leave, disability, race (including colour, nationality, ethnic or national origin), sex or sexual orientation.

The British Geological Survey is an Investors in People organisation and has achieved Bronze status for Athena SWAN – a scheme that recognises an organisation's commitment and progress in developing a diverse and inclusive workforce.



Specific Skills Criteria		
	<i>Essential</i>	<i>Desirable</i>
QUALIFICATIONS	<ul style="list-style-type: none"> BSc in a relevant subject (Inorganic Chemistry, Physical Chemistry, Geochemistry, Environmental Science, Analytical Chemistry) <p><u>OR</u></p> <ul style="list-style-type: none"> Equivalent industry experience <p><u>PLUS</u></p>	<ul style="list-style-type: none"> Full UK driving licence A higher qualification (e.g. MSc or PhD in Geochemistry)



	<ul style="list-style-type: none"> • Chemistry and Physics or Maths at A-level or equivalent • GCSE grade C or above in English Language (or equivalent) 	
EXPERIENCE	<ul style="list-style-type: none"> • Must have demonstrable practical laboratory experience 	<ul style="list-style-type: none"> • Geochemical modelling and data manipulation • Working with pressurised systems
SKILLS AND ABILITIES	<ul style="list-style-type: none"> • Excellent level of numeracy, including evidence of data analysis and/or statistical analysis • An aptitude for problem solving • Good practical laboratory skills • Very good attention to detail • A methodical approach to work • Willingness to work with high pressure experimental set-ups • Proven ability of good time management skills and able to respond to the demands from different projects operating in parallel • Effective communicator – must be able to demonstrate excellent oral and written communication skills to both science and non-science audiences • Ability to work as part of a team 	
PERSONAL QUALITIES	<ul style="list-style-type: none"> • Self-starter, initially under supervision but then able to undertake and lead lab-based activities and various project tasks unsupervised • Willingness to spend short periods of time on fieldwork away from home/office both within the UK and overseas • Demonstrates a flexible approach 	
MOTIVATION	<ul style="list-style-type: none"> • Enthusiastic about Earth Sciences • Demonstrates an interest in the work of BGS, NERC and UKRI • Demonstrates an interest in their own Continuing Professional Development • Demonstrates curiosity and a drive to resolve scientific problems 	

