



## **POST DOCTORAL RESEARCH ASSOCIATE – SHALE GAS AND GEOCHEMISTRY**

**Three-year fixed term appointment  
Based in our Headquarters in Keyworth, Nottingham**

The British Geological Survey (BGS) is one of the world's leading and forward thinking geological science institutes with a focus on both public good science for government and geoscientific research to understand earth and environmental processes.

We are currently recruiting for a Post-Doctoral Research Associate in mudstone geochemistry to join a dynamic team to help develop our stable isotope/geochemistry approaches to understanding palaeo-environmental controls on prospective unconventional hydrocarbons.

You will work on the geochemical characterisation of shale; geochemical typing of amorphous organic matter; characterisation of syngenetic (water column) biogeochemical processes with emphasis on redox reactions; and characterisation of diagenetic and catagenetic biogeochemical processes.

You will have a PhD in Earth Sciences with an emphasis on some of the following: sedimentology, palynology, inorganic geochemistry, organic geochemistry and stable isotope geochemistry. You will have a proven track record of independently and successfully conducting geoscience research as evidenced by peer reviewed publications and/or technical reports. As a postdoctoral researcher in mudstone geochemistry, you will have the ability to combine sedimentological and geochemical data. You will be able to apply geochemical techniques to solve problems in novel ways.

In addition you should have excellent oral and written skills with publications of peer-reviewed articles and presentations at international conferences. You should be able to work unsupervised, to tight project deadlines and be able to work effectively within multidisciplinary teams.

This is a fixed term post for 3 years. Starting salary will be between £28,200 per annum to £30,600 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, free parking, 30 days annual leave plus 10.5 days public and privilege holidays.

This is advertised as a full time post but we will consider applications from those who require more flexible arrangements.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at [http://www.topcareer.jobs/Vacancy/irc243234\\_7662.aspx](http://www.topcareer.jobs/Vacancy/irc243234_7662.aspx) and submit your up-to-date C.V. and covering letter, which clearly outlines why you are applying for this post and how you meet the criteria described in this advertisement. 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 IRC243234.

Closing date for receipt of application forms is 7 December 2017.

From April 2018, BGS, a component part of the Natural Environment Research Council, will be part of UK Research and Innovation. UK Research and Innovation will bring together the seven Research Councils, Innovate UK and a new organisation, Research England. The vision for the new organisation is to be the best research and innovation organisation in the world. More information can be found online at <http://www.ukri.org>. From April 2018, you will be employed by UK Research and Innovation.

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 organization and has achieved Bronze status for Athena Swan – a scheme that recognizes excellence in women's employment in science, technology, engineering, maths and medicine (STEMM) in UK higher education. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

