Research Fellow

Earth and Ocean Sciences, School of Natural Sciences

College of Science and Engineering

Ref. No. University of Galway 254-22

Applications are invited from suitably qualified candidates for a full time, six month position as a Research Fellow with Earth and Ocean Sciences at the University of Galway.

The Research Fellow will be based in University of Galway and also be part of the SFI research centre iCRAG (Irish Centre for Research in Applied Geosciences).

This position is funded through iCRAG with joint industry and Science Foundation Ireland funding and is available from 1 December 2022.

**Job Description:**
The successful candidate will complete geological research work on the last phase of a North Atlantic palaeogeographic reconstruction project, focusing on the Irish offshore basins and particularly on the Lower Cretaceous interval. The overall aim of this project is to deliver detailed palaeogeographic maps for pertinent intervals in Irish Offshore Basins and environs. These are built using both legacy and newly generated data, across multiple scales, with target intervals selected in order to constrain significant geological, regional or global change events.

**Duties:**
- Produce a comprehensive data-constrained depositional setting assessment of the Lower Cretaceous interval in the North Atlantic Region
- Produce a GIS-enabled database including culture data exports for all interpretation elements and conditioned data.
- Generate a paleogeographic map for the Lower Cretaceous interval
- Produce a technical report detailing database, methodology and results.
- Assess the potential of reservoir intervals in the Lower Cretaceous from an energy transition perspective

**Qualifications/Skills required:**

**Essential Requirements:**
- PhD in geology and/or 6+ years research/industry experience post primary degree
- Experience with the geology of the North Atlantic region and the Irish offshore basins
- Experience with basin analysis industry-standard software
- Experience of loading and conditioning wireline log and seismic data on a regional scale
- Experience of petrophysical and geophysical interpretation
- Experience of geological facies mapping on a regional scale
- Experience of assessing geological reservoir and caprock intervals
- Familiarity with legacy datasets from Irish offshore exploration.

**Desirable Requirements:**
- Familiarity with energy transition policy from an Irish/European perspective
- Specific experience of Irish Mesozoic geology.
• Full driving licence
• Experience of managing and interpreting large multi-proxy datasets

**Salary:** €56,932 to €58,584 per annum pro rata for short-term/part-time contracts. Public sector pay policy rules pertaining to new entrants will apply.

**Start date:** Position is available from 1 December 2022

**Continuing Professional Development/Training:**
Further information on research and working at University of Galway is available on [Research at University of Galway](https://www.universityofgalway.ie/rdc/)

Researchers at University of Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans. University of Galway provides continuing professional development supports for all researchers seeking to build their own career pathways either within or beyond academia. Researchers are encouraged to engage with our Researcher Development Centre (RDC) upon commencing employment - see [https://www.universityofgalway.ie/rdc/](https://www.universityofgalway.ie/rdc/) for further information.

For information on moving to Ireland please see [www.euraxess.ie](http://www.euraxess.ie)

Further information about Earth and Ocean Sciences is available here: [https://www.universityofgalway.ie/eos/](https://www.universityofgalway.ie/eos/)

Informal enquiries concerning the post may be made to Dr Shane Tyrrell (shane.tyrrell@universityofgalway.ie)

**To Apply:**
Applications to include a covering letter, CV, and the contact details of two referees should be sent, via e-mail (in word or PDF only) to shane.tyrrell@universityofgalway.ie

Please put reference number **University of Galway 254-22** in subject line of e-mail application.

**Closing date for receipt of applications is 5.00 pm 27th October 2022**

We reserve the right to re-advertise or extend the closing date for this post.

The University of Galway is an equal opportunities employer.

All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment.