



Job Title: IODP Logging Research Associate

Grade: 7

Salary: £39,355 to £45,413 per annum, pro-rata if part-time

Department: School of Geography, Geology and the Environment

Hours/Contract: Full-time or job share, fixed term contract from 16 April 2025 to 15 September 2025

Reference: 11371

Role Purpose

The acquisition and analysis of petrophysical core and borehole measurement data for the International Ocean Discovery Program (IODP) and other drilling/coring research projects.

Main Duties and Responsibilities

- To spend ca. two months at sea as an IODP shipboard participant on behalf of the ECORD Science Operator, to take primary responsibility for the QA/QC of downhole logging and core physical properties data from IODP³ Expedition 501 New England Shelf Hydrogeology, to be responsible for the acquisition of new data and ensure delivery of services contracted by these organisations.
- Management of the downhole logging and petrophysical programmes and provide advice to the Expedition Science Team on logging, pre-expedition planning, shipboard acquisition and data distribution, post-expedition reporting and the scientific analysis and interpretation of downhole logging and petrophysical data.
- To propose, initiate and carry out a plan of personal research based on IODP logging and petrophysics data and integrate with other expedition science data. Collaborate with colleagues to seek and secure research funding to supplement project funds.
- To publish appropriate aspects of research arising from expedition results as the lead author in peer reviewed scientific literature and present results at national and international conferences.
- To represent the University of Leicester at international IODP meetings and at major international meetings throughout the year, and to act as a liaison between the University of Leicester and its major international IODP partners
- To participate in and assist organising the group's annual Summer School, and to participate in other ECORD/IODP teaching and outreach events as required.
- To contribute to the work of EPC and the School of Geography, Geology and Environment by undertaking such other duties as may reasonably be assigned.

Internal and External Relationships

The University of Leicester, as the Lead Organisation for the European Petrophysics Consortium (EPC) operates in collaboration with EPC partners, including the University of Montpellier, France, and the National Institute of Oceanography and Applied Geophysics (OGS), Italy.

The post holder will be expected to work closely with the EPC Team and with collaborators from the ECORD Science Operator (comprising the British Geological Survey, University of Bremen, and EPC) and the International Ocean Drilling Programme (IODP³).





Planning and Organising

The post-holder will be required to effectively manage their time to deliver on the priorities of the post. During offshore expedition phases the post will require shift and weekend working over extended periods of time.

Qualifications, Knowledge and Experience

Essential

- A PhD degree or equivalent in an earth science or related discipline*
- A background in downhole logging operations and relevant research in relation to scientific ocean drilling*
- Proficiency in industry-standard downhole logging programmes including WellCAD and Techlog*
- A sound science background to enable the individual to adapt rapidly to unforeseen and changing science requirements.
- Experience with IODP expeditions, including spending time at sea*

Desirable

- A research background or relevant experience in at least one of the following areas: Petrophysics, Marine Geology, or Geophysics*
- Experience working in challenging environments and/or participation in ocean research projects.
- Experience in creating on-line content for and/or on-line teaching.

Skills, Abilities and Competencies

Essential

- Ability to take on scientific challenges outside their sphere of expertise, although an attempt is always made to match an individual's scientific interests to the expeditions to which they are allocated, this is not always possible.
- An excellent command of computers, and common and specialist software packages
- Excellent written* and oral communication skills
- Excellent analytical and technical skills, with a demonstrated ability to identify and solve problems.
- Excellent organisational and interpersonal skills.
- Ability to work independently and as part of an international team.
- High level of proficiency in English, sufficient to undertake research, teaching and administrative activities utilising English Language materials and to communicate effectively with staff and students.

Desirable

- An ability to integrate a range of different data types (for example, petrophysical, seismic, petrological, sedimentological, or geochemical data)
- Ability to take the initiative and be a self-starter.





- An ability to collaboratively seek and secure research funding.

****Criteria to be used in shortlisting candidates for interview***

Reason for Fixed Term Contract

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

University Values

Inclusive - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

Inspiring - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

Impactful - As Citizens of Change we will generate new ideas which deliver impact and empower our community

Equity and Diversity

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

