UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Arctic Ocean Geochemistry, Faculty of Environment

Salary: Grade 7 (£32,004 – £38,183 p.a.)

Reference: ENVEE1142

Closing date: 8 March 2017

Fixed term for 42 months (due to external funding)

Research Fellow in Arctic Ocean Geochemistry
School of Earth and Environment, Faculty of Environment

Are you an ambitious researcher looking for your next challenge? Do you have a background in marine or sediment geochemistry? Do you want to further your career in one of the UK's leading research intensive Universities?

You will be a key member of the Natural Environment Research Council's (NERC) new project "The Changing Arctic Ocean Seafloor (ChAOS)". Working in the field of inorganic geochemistry you will embark on up to three shipboard expeditions to the Barents Sea, undertake sediment and pore water sampling, and carry out the subsequent analysis and data publication. You will also support the project leader Dr Christian März in the administration of ChAOS.

Working in collaboration with scientists at numerous UK and international research institutes you will aim to understand how change in the physical environment, ice and ocean, will affect the large-scale ecosystem structure and biogeochemical functioning of the Arctic Ocean, the potential major impacts and provide projections for future ecosystem services.

You will have, or be close to obtaining, a PhD in the field of Earth, Environmental or Marine Sciences and have experience of working in a (geo)chemical laboratory. You will also have experience of publishing scientific results and be willing to participate in sea-going expeditions. You may also have experience of Arctic Ocean research and sediment and pore water sampling and analysis.

What does the role entail?

As a Research Fellow, your main duties will include:

- Working with, and in support of, Dr Christian März's research grant to ensure the project is successfully completed;
- Generating, pursuing original research ideas;
- Developing research objectives and contributing to the direction of the research project and team, including, preparing proposals for funding in collaboration with colleagues;



- Evaluating methods and techniques used, along with results obtained by other researchers, to relate evaluations appropriately to your own work;
- Communicating, or presenting research results including preparing papers for publication in leading international journals and independently writing reports;
- Working both independently and as part of a larger team of researchers, including engaging in knowledge-transfer activities;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues;
- Contributing to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As Research Fellow you will have:

- A first degree and PhD, or close to completion, in Earth, Environmental or Marine Sciences, or a closely allied discipline;
- A strong background in inorganic geochemical analysis and data interpretation;
- Experience of working in a (geo)chemical laboratory and conducting research;
- Good time management and planning skills, with the ability to manage competing demands effectively and meet tight deadlines;
- Excellent written and verbal communication skills including presentation skills and excellent interpersonal skills and the ability to communicate effectively with a wide range of stakeholders;
- A proven ability to work well both individually and in a team;
- Experience in preparing, and publishing, high-quality research publications;
- A strong commitment to your own continuous professional development;



- The willingness to participate in sea-going expeditions of four to six weeks in duration.

You may also have:

- Experience in Arctic Ocean research;
- Experience with the sampling, and analysis of, sediments and pore waters;
- Seagoing experience.

How to apply

You can apply for this role online; more guidance can be found on our How to Apply information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Dr Christian Maerz, Associate Professor in Biogeochemistry
Tel: +44 (0)113 343 1504
Email: c.maerz@leeds.ac.uk

Additional information

Working at Leeds
Find out more about the benefits of working at the University and what it's like to live and work in the Leeds area on our Working at Leeds information page.

Candidates with disabilities
Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our Accessibility information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974
A criminal record check is not required for this position. However, all applicants will be required to declare if they have any ‘unspent’ criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our Criminal Records information page.