

Lecturer/Senior Lecturer in Benthic Biogeochemistry



Biogeochemistry & Earth Science Department

Full Time Open Ended Appointment

Lecturer salary £35,232- £45,123 per annum

Senior Lecturer salary £47,222 - £53,505 per annum.

The Scottish Association for Marine Science (SAMS), based at the Scottish Marine Institute in Oban on the west coast of Scotland, is seeking to appoint a Lecturer in Benthic Biogeochemistry. This exciting opportunity will complement and enhance present marine sedimentary research and education and aims to develop new areas at SAMS. We are seeking a candidate with research interests in benthic biogeochemical processes and systems.

The successful candidate will have a demonstrable record of excellence in grant capture and research publication in any aspect of marine benthic biogeochemistry. Experience of leading a research group will be beneficial.

You will be required to participate in teaching as part of the BSc (Hons) Marine Science and Marine Science with Arctic Studies; and on postgraduate degree courses at SAMS and supervise undergraduate and postgraduate student projects.

As part of SAMS diverse portfolio of activities at SAMS, the post will also involve some engagement with commercial opportunities.

Further information is available on line at www.sams.ac.uk. Alternatively, please write to: Human Resources, Lecturer/Senior Lecturer in Benthic Biogeochemistry, Job Ref D12/14.JH, The Scottish Association for Marine Science, Scottish Marine Institute, Oban, Argyll PA37 1QA or e-mail recruitment@sams.ac.uk

The closing date for receipt of applications is Friday 27th February 2015

SAMS is a registered Scottish charity (SC 009206), has an equal opportunities policy and welcomes applications from all sections of the community.

Job Description

1. Job Details

Job title: Lecturer/Senior Lecturer in Benthic Biogeochemistry

Department: Biogeochemistry & Earth Science

Line manager: Head of Biogeochemistry & Earth Science Department

2. Job Purpose

To enhance present delivery of SAMS biogeochemical research and teaching, to further develop new areas and to contribute to commercial projects as required. To publish in peer-reviewed high impact journals to develop and enhance a portfolio of funded scientific research, to engage in public outreach activities and to undertake commercial opportunities as appropriate.

3. Main Responsibilities

<i>(Normally between 4 and 10. Percentages should total at least 95% (and no more than 100%))</i>	Approx. % of time
Benthic biogeochemistry research	60%
Writing of grant proposals and peer-reviewed scientific publications	15%
Contributing to commercial opportunities (where appropriate)	5%
Teaching as part of undergraduate and postgraduate provision at SAMS	10%
Deliver and assist in developing departmental plan	5%

4. Planning and Organising

- Review research ideas and direction, horizon-scan research opportunities, and plan for generation of research funding, to support research over a 3-5 year cycle.
- Supervise research support staff and students as required.
- Review and plan equipment requirements in areas of expertise over 5 year cycle.
- Review, plan and prepare teaching activities for the following semester.
- Horizon-scan for commercial opportunities.
- Review and plan leadership, management, administrative and representational “enabling” activities over a 3 year cycle

5. Problem-Solving

- Independently maintain and develop state of art knowledge in areas of expertise in order to achieve high quality research and commercial outputs.
- Draw upon experience to independently provide solutions to range of management-related issues.
- Co-ordinate and review of activities of teaching staff to ensure high standard of delivery.

6. Decision-Making

- Decisions on research direction and development (e.g. research proposals).
- Decisions on research standards and quality (e.g. journal editor and peer review).
- Decisions on management of research resources (e.g. research budget spend).
- Decision on teaching delivery (e.g. refining teaching module content).

7. Key Contacts/Relationships

- Represent SAMS externally at local, national and international meetings and conferences in matters relating to area of research expertise.

8. Knowledge, Skills and Experience needed for the Job (usually captured in Person Specification)

Essential:

- PhD in Benthic biogeochemistry or geochemistry
- Experience of undertaking research and teaching within scientific area.
- Successful publication as first author; and contribution to other forms of research outputs.
- Experience of generation of income for your research.
- Good team-worker and efficient problem solver, technically capable.
- Good communicator (both oral and written presentations) and socially competent, some experience with public outreach.
- Able to engage on research interests and be building networks and collaborations inside and outside the organization.
- Experience of managing moderate research projects
- Experience of supervising staff/students
- Ability to demonstrate some engagement with wider scientific community; either through professional body or via invited committee membership.
- Able to adapt/review current teaching materials
- Experience of teaching at undergraduate and postgraduate level. Experience of assessment and feedback.
- The ability to attend on a regular basis and cope with the demands of the job.
- Must be able to work at sea.

Desirable:

- International peer-reviewed publications
- An established research agenda
- A track record in successful grant capture including studentships; commitment to attracting funding for research activities
- Leadership of a research group
- Documented collaborative and technical skills
- Experience of participation and/or leading ship-based fieldwork
- Experienced speaker at national and international conferences, communication experience with stakeholders and the general public
- Productively engaging on research interests with colleagues within SAMS and externally with networks and other collaborators
- Evidence of leadership
- Experienced project and line manager, previous budget responsibilities
- Successful evidence/ability to manage multi-projects
- Able to manage a small team
- Member of Royal Society of Chemistry or member of The Geological Society or other relevant memberships
- Proven successful track record in creating new courses, development of existing ones, marking and other assessment. Innovative approaches to teaching
- Successful teaching and supervision of undergraduate and postgraduate students.
- Some commercial project experience

9. Dimensions - Scope of role

- Manage external research funding over period of grants (typical range up to £500k).
- Teach and assess for undergraduate (typically 3) and postgraduate (typically 1) degree modules.
- Produce at least four 3*/4* publications over each defined research assessment (e.g. RAE, REF) period.
- Supervise research support staff (typically 2) and research students (typically 2) as required.
- Design and deliver undergraduate and postgraduate education.
- Contribute to, and develop departmental strategy.
- Lead benthic biogeochemical research at an institute level.

SAMS



The Scottish Association for Marine Science (SAMS) is one of the UK's premier oceanographic institutions, committed to increasing our knowledge and stewardship of the marine environment through research, education and knowledge transfer. Its research activities spanning

the full breadth of the marine sciences with active multidisciplinary teams tackling cutting edge research questions. SAMS hosts the Culture Collection of Algae and Protozoa (CCAP), the largest collection of its kind in Europe, the National Facility for Scientific Diving, the North Atlantic Glider Centre and is a partner in the Marine Environmental Mapping Program (MAREMAP). Additionally, Highland and Islands Enterprise has invested £8M into the European Marine Science Park (EMSP) located beside SAMS. The EMSP will provide follow-on space for marine biotechnology start-ups hosted in the SAMS-run European Centre for Marine Biotechnology. SAMS is a founding partner of the University of the Highlands and Islands (UHI). It maintains a vibrant postgraduate school and delivers a BSc Honours degree in Marine Science, a Masters in ecosystem management and Continuing Professional Development training courses. SAMS is also an Associate Institute of the United Nations University (UNU) and works in collaboration with the Institute for Water, Environment and Health (UNU-INWEH). SAMS operates from a modern multidisciplinary marine science campus on the West Coast of Scotland and the facilities and geography provide an unrivalled location for the provision of high-quality education with ease of access locally to diverse marine habitats.

SAMS recently participated in the UK Research Excellence Framework (REF), where over 75% of the submitted research was judged to be internationally excellent.

For further information please visit our website www.sams.ac.uk.

The Biogeochemistry and Earth Science Department

The Biogeochemistry and Earth Science Department is a multidisciplinary department comprising of 14 staff including geologists, geochemists, biogeochemists, and radiochemists. The group has experience in surveying, sampling, analysing and interpreting a huge variety of marine waters, sediments and depositional environments from oceanic deep-water basins to the continental shelf. We are also engaged in a diverse range of public outreach, educational activities and commercial work. Current research projects include; Ocean Acidification, Quantifying Impacts of Carbon Capture and Storage, seabed mapping and the modelling sediment dynamics in tidal areas, the biogeochemistry of hadal trenches and isotope geochemistry as a proxy for Quaternary ocean circulation.

Conditions of Service

The post is full time and will be based at the Scottish Marine Institute. Salary will be on our Lecturer Grade salary £35,232 - £45,123 per annum or our Senior Lecturer Grade salary £47,222 - £53,505 per annum.

The normal working hours of the Institute are 0845 to 1300 and 1400 to 1709, Monday to Friday.

The leave allowance for the post is 25 days per annum plus public and privilege holidays.

SAMS has a sick leave policy in place.

As an Academic Partner of UHI, SAMS is designated as an educational establishment and subject to the provisions of the Protection of Children (Scotland) Act. All staff will be subject to a satisfactory check by Disclosure (Scotland) as a condition of their appointment.

The Area

The Scottish Marine Institute occupies a very pleasant site on a peninsula three miles north of Oban, accessible via the village of Dunbeg. Oban is a major West Highland centre, convenient for mountains, lochs and sea. It is about two hours by road from Scottish cities such as Glasgow, Stirling and Perth, and is well served by rail and road links, as well as being the hub for ferry connections to many of the offshore islands.

Candidates can apply by visiting: www.sams.ac.uk

Or

By sending a CV and cover letter to:

The Human Resources Section
Lecturer/Senior Lecturer in Benthic Biogeochemistry
Scottish Marine Institute
Oban
Argyll
PA37 1QA

Or by email to recruitment@sams.ac.uk

The closing date for applications is **FRIDAY 27TH FEBRUARY 2015**
Please note, referees will be contacted prior to interview.