

PHD FELLOW IN THE GREENLAND PERSPECTIVE INITIATIVE

Section of Geobiology and Minerals at the Natural History Museum of Denmark

Faculty of Science – University of Copenhagen

The Natural History Museum of Denmark (Copenhagen) is offering a 3 year PhD scholarship commencing March 1st, 2017 or as soon as possible thereafter.

Project description

The PhD is part of the Greenland Perspective initiative (www.greenlandperspective.dk) – a multidisciplinary initiative focused on activating research into the Greenlandic society. The research within this initiative is carried out in collaboration with Greenlandic, Danish and International research institutions, industry and authorities.

The purpose of the project is to evaluate and document the biological effects of glacially derived rock flour in tropical soil amelioration. The research will be mainly experimental working on simulated and actual tropical soils, but may include numerical geochemical modelling.

Many tropical soils are depleted in a broad range of mineral nutrients, and have physico-chemical characteristics that reduce or prevent crop yields or the possibility for afforestation. Rock flour has been used to revitalise such nutrient depleted soils, and has been suggested to enhance the CO₂ sequestration capacity of soils. We wish to document the effects of glacially milled rock materials on the chemistry, physical properties and microbiology of tropical soils and the derived effects of these parameters on crop yields and soil carbon sequestration.

We expect the successful candidate to cooperate on joint publications with our research group and contribute to publications and activities under the Greenland Perspective initiative. There will be an opportunity to spend part of the scholarship as a visiting scholar, with some teaching obligations included, at the University of Greenland and/or the Greenland Institute of Natural Resources.

Supervisor is Professor Minik Rosing, The Natural History Museum of Denmark, University of Copenhagen who is also the head of the initiative. For more detailed information please contact Professor Minik Rosing at email: minik@snm.ku.dk.

Job description

The position is available for a 3-year period and your key tasks as a PhD student at SCIENCE are:

- To manage and carry through your research project
- Attend PhD courses
- Participate on congresses/workshops
- Write scientific articles and your PhD thesis
- Teach and disseminate your research
- To stay at an external research institution for a few months, preferably abroad
- Work for the Department

Formal requirements

We seek candidates with an academic background in geology/geochemistry/earth science, qualifying for enrolment in the 5+3 programme (3 year PhD programme). We prefer candidates with a thorough understanding of geochemistry with a special interest in the Arctic or in tropical soil. Good English and Danish language skills are necessary. Greenlandic language skills would be a bonus. As criteria for the assessment of the candidate's qualifications, emphasis will also be laid on previous publications (if any), grade-point average, relevant work experience, and other professional activities.

Terms of employment

The position is covered by the Memorandum on Job Structure for Academic Staff.

Terms of appointment and payment accord to the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations on Academics in the State.

The starting salary is currently at a minimum DKK 309,109 including annual supplement (+ pension up to DKK 42,699). Negotiation for salary supplement is possible.

Application Procedure

The application, in English, must be submitted electronically by clicking APPLY NOW below.

Please include

- Cover Letter
- CV
- Diploma and transcripts of records (BSc and MSc)
- Other information for consideration, e.g. list of publications (if any),
- Full contact details (Name, address, telephone & email) of 1-3 professional referees
- Documentation of English language qualifications, cf. general rules and guidelines, p. 5

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

The deadline for applications is January 31, 2017, 23:59 GMT +1. Applications received after the deadline for applications will not be considered. Interviews will be held in week 6 and 7.

After the expiry of the deadline for applications, the authorized recruitment manager selects applicants for assessment on the advice of the Interview Committee. Afterwards an assessment committee will be appointed to evaluate the selected applications. The applicants will be notified of the composition of the committee and the final selection of a successful candidate will be made by the Head of Department, based on the recommendations of the assessment committee and the interview committee.

The main criterion for selection will be the research potential of the applicant and the above mentioned skills. The successful candidate will then be requested to formally apply for enrolment as a PhD student at the PhD school of Science. You can read more about the recruitment process at <http://employment.ku.dk/faculty/recruitment-process/>.

General information about PhD programmes at SCIENCE is available at <http://www.science.ku.dk/phd>

APPLY NOW

Part of the International Alliance of Research Universities (IARU), and among Europe's top-ranking universities, the University of Copenhagen promotes research and teaching of the highest international standard. Rich in tradition and modern in outlook, the University gives students and staff the opportunity to cultivate their talent in an ambitious and informal environment. An effective organisation – with good working conditions and a collaborative work culture – creates the ideal framework for a successful academic career.

