

International Research Training Group ArcTrain: Processes and impacts of climate change in the North Atlantic Ocean and the Canadian Arctic

The DFG-funded International Research Training Group ArcTrain, a collaborative project between the University of Bremen, the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, and a consortium of eight Canadian universities invites applications for a

PhD position

in the area of micropalaeontology/paleoceanography in the framework of project HB-09: ***Consequences of past environmental change for marine ecosystems of the Baffin Bay.***

The environment of the Arctic Baffin Bay is highly sensitive to changes in ocean circulation and its interaction with the surrounding Greenland Ice Sheet. Data from marine sediment cores indicate that ocean conditions in the Baffin Bay have been highly variable on millennial to decadal time scales. These sedimentary records contain microfossils, whose abundance and properties document past variability in marine ecosystems of the Baffin Bay and allow an assessment of the impact of large perturbations, including meltwater discharge and penetration of Atlantic water masses, on the stability and function of these ecosystems.

This project will use micropalaeontological methods to characterise the response of benthic and pelagic ecosystems in the Baffin Bay to changes in the physical environment. We are searching for an enthusiastic and committed researcher with interest in marine micropaleontology and a background in quantitative paleoecology. The PhD student will be part of the Micropaleontology/ Paleoceanography group at MARUM, University of Bremen, working under the supervision of Prof. Michal Kucera. A research stay is envisaged at the Université du Québec à Montréal.

Requirements:

- Completed MSc or equivalent qualification in geosciences, environmental sciences or related fields
- Knowledge of micropalaeontology, (paleo)ecology, and paleoceanography
- Experience with quantitative methods in paleoecology
- Prior experience in marine science and oceanography is advantageous
- Applicants should have excellent English language skills and enjoy working in an international and interdisciplinary team.

The position is for a fixed term of 3 years. It is funded by the German Science Foundation (DFG). The earliest starting date is October 1st, 2016. Salary corresponds to 2/3 TV-L E13.

Applicants should submit under the reference number **A86/16 (HB-9/2)** their letter of motivation, a CV including copies of certificates, a publication list if applicable, and contact information of two referees. Documents should be submitted electronically as a PDF file (maximum size 2 MB) to ArcTrain coordinator, Gabriella Wehr (gwehr@marum.de). The call is open until the position is filled. The review of applications will commence on June 1st 2016.

The University of Bremen has received a number of awards for its gender and diversity policies and is particularly aiming to increase the number of female researchers. Applications from female candidates, international applications and applications of academics with a migration background are explicitly welcome.

Disabled persons with the same professional and personal qualifications will be given preference.

Further enquiries can be addressed to

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