PhD position in Chemical Oceanography at Uni Research AS, Bergen, Norway

A 3-year PhD position in Chemical Oceanography is available at Uni Climate, within the Norwegian Research Council project *Ventilation age and remineralisation rates in polar and sub-polar regions as an indicator for climate change* (VENTILATE).

Uni Climate is a department of Uni Research AS and a partner in the Bjerknes Centre for Climate Research (BCCR), together with the University of Bergen, the Institute of Marine Research and the Nansen Environmental and Remote Sensing Center.

**Project description**
VENTILATE aims to increase our understanding of the climatically relevant link between physical processes and the oceanic carbon cycle, and how this relationship is affected by the anthropogenic climate change. Using a combination of observational data and model data outputs VENTILATE will study physical and biological processes of importance for the oceanic carbon fluxes in the Nordic Seas and the Arctic Ocean. The interdisciplinary work will include tracer-based studies of decadal variability in water mass ventilation, oceanic carbon fluxes inferred from tracers, and present and future water mass evolution, in the Nordic Seas and the Arctic Ocean.

**Requirements**
We are seeking a highly motivated candidate interested in the combination of biogeochemical cycles and physical processes in the oceans. The PhD candidate will take part in research cruises, sampling and analyses of the tracers chlorofluorocarbons (CFCs) and sulphur hexafluoride (SF₆) in seawater, quality control of the data, perform data analysis, and writing scientific papers. She/he will also make use of ocean biogeochemical model output to evaluate data uncertainties and mechanisms of the observed variability. The candidate must hold a master’s degree or equivalent in chemical oceanography/marine chemistry, physical oceanography, or related fields. Experience in advanced data analysis in Matlab or R will be advantageous. Good communication skills in both written and spoken English are essential. Applicants have to be capable of independent work, and be willing to spend a total of two months in Kiel, hosted by Dr. Toste Tanhua, at GEOMAR, for exchange of knowledge in analytical issues, data analysis, and preparation of a scientific paper.

The applicant must have achieved a master’s degree or equivalent or have submitted their master thesis for assessment by the application deadline. It is a prerequisite that the formal admission requirements of the PhD programme are met before an appointment can be made.

Salary is in accordance with the Civil Service pay grade table scale for PhD students. Uni Research AS offers Group Pension Insurance and Personnel Insurance Scheme for their employees. The successful applicant must comply with the guidelines that apply to the position at any time.
Further information
For further information, contact Dr Emil Jeansson via phone +47 55589833 or email emil.jeansson@uni.no.
For more information about Uni Climate, Uni Research AS and BCCR, please refer to http://uni.no and http://www.bjerknes.uib.no.

Additional information
Earliest starting date: 1 July 2014.
The successful applicant will be part of the doctoral program at The University of Bergen, which includes course work.

Application
Send electronic application by clicking on the button marked “APPLY FOR THIS JOB” on this page: http://www.jobbnorge.no/ledige-stillinger/stilling/99807

Applications must include a CV, certified copies of diplomas and certificates, a personal letter describing yourself and outlining your experience relevant for the project (max. 2 pages) and a summary of your MSc thesis (1 page). Please also provide contact details for at least two referees.

Application deadline: 1 March 2014