UNIVERSITETET I OSLO

Jobbnorge-ID: 141029
Søknadsfrist: Heaittihuvvon
Nettside:
Omfang:
Varighet:

Postdoctoral Research Fellowship in Atmospheric Sciences

A position as postdoctoral research fellow is available at the Department of Geosciences.

Applications are invited for a 3-year postdoctoral research fellowship in atmospheric sciences at the Department of Geosciences. A Ph.D. degree in meteorology/atmospheric sciences or a related field is a minimum demand for the Postdoctoral fellowship. The position is part of interdisciplinary collaboration including biology.

Job description

The work of the fellowship will be part of the project "The double punch: Ozone and climate stresses on vegetation, which is coordinated by Dr. Ane V. Vollsnes at the Department of Biosciences and funded by the Research Council of Norway. The project consists of plant physiological and mycological experiments to quantify the effects of ozone polluted air under the particular conditions in Northern areas, with midnight sun, followed by a hierarchy of innovative climate and tropospheric ozone modelling. Models will be improved based on laboratory and field work to better represent the interactions between tropospheric ozone, vegetation and climate in Arctic and tundra areas. The postdoctoral research fellow will collaborate with professors and fellows in the LATICE group which covers multiple disciplines within geosciences and biosciences in UiO, and which has international collaborators in Europe and the US.

Qualifications:

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

The candidate must have a PhD or other corresponding education equivalent to a Norwegian doctoral degree in meteorology/atmospheric sciences or a related field.

The main purpose of post-doctoral research fellowships is to qualify researchers for work in top academic positions within their disciplines.

The candidate will be tasked with running several climate and ozone models. Models that will be used are (i) the global Chemistry-Transport Model Oslo CTM3, (ii) the Weather and Research Forecasting model coupled with chemistry (WRF-Chem), (iii) the the Deposition of Ozone for Stomatal Exchange (DO3SE) model, and (iv) the Community Land Surface Model (CLM), the latter two coupled to WRF as well as in off-line modes. As several models will be used, a good command of running atmosphere or climate models is essential and is thus also a minimum requirement.

The following required experience must be highlighted:

- Knowledge of computer modelling of the climate system and/or atmospheric chemistry and transport.
- Technical expertise in scripting (Python, R, bash/shell) or programming (C++ and/or FORTRAN).
- Independent research and writing skills.
- Please also refer to the regulations pertaining to the conditions of employment for post-doctoral fellowship positions.

Salary:

Position code 1352, Salary: NOK 486 100 - 569 000 per year, depending on qualifications and seniority.

The application must include:

- Application letter providing motivation
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)
- Copies of educational certificates, transcript of records and letters of recommendation
- A complete list of publications and up to 5 academic works that the applicant wishes to be considered by the evaluation committee
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

Please remember that all documents should be in English or a Scandinavian language.

In accordance with the University of Oslo's equal opportunities policy, we invite applications from all interested individuals regardless of gender or ethnicity.

UiO has an agreement for all employees, aiming to secure rights to research results a.o.

For further information contact:

Professor Frode Stordal, frode.stordal@geo.uio.no

Dr. Ane V. Vollsnes, a.v.vollsnes@ibv.uio.no

For questions about the recruitment system, please contact HR-Officer Helene Janen +47 22857196, h.b.jansen@mn.uio.no

Tilleggsinformasjon

Arbeidssted: