



Postdoctoral Research Fellow in Hydrogeology

Job description

Position as Postdoctoral Research Fellowship is available at the Department of Geosciences, in the Environmental Geology group.

No one can be appointed for more than one Postdoctoral Research Fellowship at the University of Oslo.

The appointment is a fulltime position and is made for a period of up to four years (25 % of which is devoted to required duties, usually in the form of teaching activities). It is preferred with an early appointment and starting date no later than 1 January, 2020.

Project description

The Department of Geosciences seeks a highly motivated hydrogeologist that can enrich and strengthen the Department's focus on Environmental geology. Groundwater processes rely on representative conceptual models of the subsurface, i.e. ultimately on how heterogeneity and anisotropy is related to subsurface geology. The successful candidate should have a basic hydrogeological/geological training and experience in modelling flow in porous media as well as fractured rock aquifers. Besides flow in aquifer systems, applied aspects related to contaminant transport, engineering geology, and heat storage/recovery are relevant fields of expertise.

A combination of insight in soil and groundwater flow and transport modelling as well as experience with field investigation methods would be an advantage. We seek a candidate with a strong background in quantitative methods linking data and observations to modelling. These key qualifications should form the basis for teaching and supervision of master students at the department. The Department has access to good computer facilities and technical support.

The successful candidate shall contribute to teaching and supervision (25 % of working time). Relevant courses are GEO4190 Hydrogeology and GEO4360 Field methods in hydrogeology. More information about these courses can be found at: <http://www.mn.uio.no/geo/english/>

Postdoctoral fellows who are appointed for a period of four years are expected to acquire basic pedagogical competency in the course of their fellowship period within the duty component of 25 %.

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

Qualification requirements

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.

- Applicants must hold a degree equivalent to a Norwegian doctoral degree in Hydrogeology, geology/earth sciences or related disciplines. Doctoral dissertation must be submitted for evaluation by the closing date. Appointment is dependent on the public defense of the doctoral thesis being approved.
- Fluent oral and written communication skills in English is required and competence in a Scandinavian language an asset.
- Candidates should have a noticeable track record in scientific publishing and outreach of relevance to Hydrogeology.

The main purpose of a postdoctoral fellowship is to provide the candidates with enhanced skills to pursue a scientific top position within or beyond academia. To promote a strategic career path, all postdoctoral research fellows are required to submit a [professional development plan](#) no later than one month after commencement of the postdoctoral period.

We offer

- salary NOK 523 200 - 605 500 per annum depending on qualifications in position as Postdoctoral Research Fellowship (position code 1352)
- attractive [welfare benefits](#) and a generous pension agreement
- professionally stimulating working environment
- vibrant international academic environment
- [postdoctoral development programs](#)
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include

- Cover letter (statement of motivation, summarizing scientific work and research interest)
- Research statement outlining possible projects for the Postdoc period
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)
- Copies of educational certificates, academic 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)

The application with attachments must be delivered in our electronic recruiting system. Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language).

In assessing the applications, special emphasis will be placed on the documented, academic qualifications and the quality of the project as well as the candidates motivation and personal suitability. Interviews with the best qualified candidates will be arranged.

It is expected that the successful candidate completes the project in the course of the period of employment.

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Postdoctoral fellowships at the University of Oslo.

No one can be appointed as Postdoctoral Fellow for more than one specified period at the same institution.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

The University of Oslo aims to achieve a balanced gender composition in the workforce and to recruit people with ethnic minority backgrounds.

Contact information

Professor Lena M. Tallaksen, e-mail: l.m.tallaksen@geo.uio.no

Professor Alvar Braathen, e-mail: alvar.braathen@geo.uio.no

For technical question regarding the recruitment system, please contact HR Adviser; Torunn Standal Guttormsen, t.s.guttormsen@mn.uio.no

About the University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The geosciences are the studies of planet Earth; the atmosphere, the hydrosphere and cryosphere, the earth's surface and it's interior. **The Department of Geosciences** is Norway's widest ranging academic geoscience research environment, encompassing four sections (Meteorology and Oceanography, Geography and Hydrology, Geology and Geophysics, Physics of Geological Processes) and one Centre of Excellence (Centre of Earth Evolution and Dynamics). In addition we participate in other centres and hold several ERC grants. The staff consists of 40 professors and associate professors, in addition to postdoctoral fellows, PhD students, researchers, technical staff and administrative personnel, to a total number of 240.

Jobbnorge-ID: 172650, Søknadsfrist: Søknadsfristen er gått ut