



Researcher in Biomathematics

Job description

A 18-month position as researcher is available at the Centre for Ecological and Evolutionary Synthesis ([CEES](#)), Department of Biosciences, Faculty of Mathematics and Natural Sciences, University of Oslo.

The appointed candidate will be working on the project "Drivers of evolutionary change: understanding stasis and non-stasis through integration of micro- and macroevolution", which is funded by the Research Council of Norway (RCN). The PI of the project is [Nils Chr. Stenseth](#), University of Oslo; co-PIs are [Jan Martin Nordbotten](#), University of Bergen; [Indrė Žilobaitė](#), University of Helsinki; and [Mikael Fortelius](#), University of Helsinki.

Research project

The project aims at bringing together micro- and macro-evolutionary theories by studying to what extent macroevolutionary patterns can be explained from microevolutionary and ecological processes. Of particular relevance for this announced position, the project aims to develop a macro (system)-scale mathematical model for evolutionary ecology, based on upscaling of established micro-evolutionary models. (See for example <https://doi.org/10.1073/pnas.1716078115> ; <https://doi.org/10.1073/pnas.1525395113>).

More about the position

The position will have CEES as its home base, but the appointed candidate will be expected to also spend time at the Department of Mathematics of the University of Bergen.

Starting date: As soon as possible - but we are open for negotiations in this respect.

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. Doctoral dissertation must be submitted for evaluation by the closing date. Appointment is dependent on the public defence of the doctoral thesis being approved.
- Fluent oral and written communication skills in English.

The following qualifications will count in the assessment of the applicants:

We are seeking a person with solid background in applied mathematics. Candidates with experience from multi-scale methods, analysis of partial differential equations, and/or scientific computing will be prioritized. Previous experience from research within biology is not necessary, but will be advantageous, in particular familiarity with ecological and evolutionary concepts and theories.

The appointed candidate will be working in a team together with other project members who have competence in ecology, evolutionary biology, paleontology, and statistical and computational analysis. Therefore we seek a highly motivated and enthusiastic person capable of working in interdisciplinary teams as well as independently.

We offer

- salary NOK 523 600 - 605 500 per annum depending on qualifications in position as Researcher (position code 1109)
- a professionally stimulating working environment
- attractive [welfare benefits](#) and a generous pension agreement, in addition to Oslo's family-friendly environment with its rich opportunities for culture and outdoor activities

How to apply

The application must include

- Application letter summarizing your scientific work and explaining why you applied for the position.
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)
- Copies of educational certificates (academic transcripts only)
- A complete list of publications
- List of reference persons: 2-3 references (name, relation to candidate, e-mail and phone 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).

Formal regulations

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

According to the Norwegian Freedom of 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

For further information please contact: Prof. Nils Chr. Stenseth, n.c.stenseth@ibv.uio.no .

For questions regarding the recruitment system please contact: HR officer Nina Holtan, nina.holtan@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.

Centre for Ecological and Evolutionary Synthesis (CEES) is a research centre and a section at the Department of Biosciences, University of Oslo. CEES combines a broad spectrum of disciplines (population biology, genomics, statistics, mathematical modelling) to foster the concept of ecology as a driving force of evolution via selective processes, with a corresponding influence of evolutionary changes on ecology.

CEES has over 180 members (Professors (20), postdocs/researchers (60), PhDs (35), Master's students (40) and technical and administrative staff) and many guest researchers. The members represent 30 nationalities and constitute a vibrant and creative research environment. CEES coordinate several international networks. The budget = 170 million NOK (about 55 externally funded research projects). CEES successfully completed its 10 year status of Centre of Excellence (CoE) in 2017.

Jobbnorge-ID: 175905, Søknadsfrist: Søknadsfristen er gått ut