

Post doc in population genomics

Applications are invited for a 2-year post-doctoral position in the field of evolutionary genomics and bioinformatics at the Department of Biology, Aarhus University, Denmark.

Expected start date and duration of employment

This is a fixed-term 2-year position with a start of 16 May 2025.

Job description

- You will be working primarily with bioinformatics and evolutionary genomic analyses of whole-genome sequencing and re-sequencing data sets in arthropods, mainly insects and spiders.
- Differential expression analyses based on transcriptomic data.
- De novo assembly and annotation of genomes and a wide range of genomic analyses of individual and pooled resequencing data.
- The position will focus on understanding the molecular basis of phenotypic variation.
- Projects investigate how interactions between life history and demography shape evolutionary processes and genomic architecture.
- Another major research topic is the analyses of adaptive variation and its association with environmental parameters using large population genomic data sets.
- You will be involved in collaborative research projects as well as independent projects, and will work in close collaboration with students, PhD students, post docs and other faculty members.
- Many research activities occur in close collaboration with colleagues and members of Centre for Ecological Genetics at the Section for Genetics, Ecology and Evolution.

Your profile

Applicants should hold a PhD in evolutionary genomics.

- Strong profile and background in evolutionary biology. Evolutionary genetics, genomics, population genetics, bioinformatics.
- Extensive experience with statistical analyses, bioinformatic analyses, coding and development of pipelines, handling of large genomic and transcriptomic data sets, comprehensive understanding of and experience with population genetic and evolutionary analyses.
- Demonstrated ability of completing research projects and preparing manuscripts for publication.
- Open to and engaged in collaborative projects and supervision of students

Who we are

The Section for Genetics, Ecology at the Department of Biology performs evolutionary research on a broad range of questions and systems and provides a strong and international research environment. The Centre for Ecological Genetics provides a strong and vibrant research environment in ecological genomics, landscape genomics, evolutionary genetics and population genomics. The work environment is open and collaborative with many academic and social activities.

What we offer

The department/centre offers:

Application Deadline:
19 March 2025

Faculty:
Faculty of Natural
Sciences

Institute/Faculty:
Department of Biology

**Academic contact
person:**
Trine Bilde
Professor, Centerleder
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+4560202702

Vacant positions:
1

Hours per week:
37

Number of months:
24

**Expected date of
accession:**
16/05/2025

- a well-developed research infrastructure, laboratories and access to shared equipment
- an exciting interdisciplinary environment with many national and international collaborators and researchers at all levels
- a research climate encouraging lively, open and critical discussion within and across different fields of research
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance.

Place of work and area of employment

The place of work is the Department of Biology, Section for Genetics, Ecology & Evolution, Centre for Ecological Genetics, Aarhus University, Ny Munkegade 116, DK - 8000 Aarhus C

Contact information

For further information, please contact: Prof. Trine Bilde, E-mail: trine.bilde@bio.au.dk

Deadline

Applications must be received no later than 19 March 2025.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee, and each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline. Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

If you wish to add a referee **after** you have submitted your application, you must send this person's details (name, job title, place of work, and email address) as well as the name of the position you have applied for to: HR.Nattech@au.dk

Formalities and salary range

Natural Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Taxation and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the [Memorandum on Job Structure for Academic Staff at Danish Universities](#).

Salary depends on seniority as agreed between the Danish Ministry of Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Please find more information about entering and working in Denmark [here](#).

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it [here](#).

At the Faculty of Natural Science at Aarhus University, we strive to support our scientific staff in their career development. We focus on competency development and career clarification and want to make your opportunities transparent. On [our website](#), you can find information on all types of scientific positions, as well as the entry criteria we use when assessing candidates. You can also read more about how we can assist you in your career planning and development.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/