

Assistant Professor in Probability Theory and Stochastic Analysis

The Department of Mathematics at Aarhus University invites applications for a **three-year Assistant Professor position in Probability Theory and Stochastic Analysis**, available from August 1, 2026.

The successful candidate will be affiliated with the **Stochastic Analysis in Aarhus** project, led by **Professor Fabrice Baudoin** and funded by the **Villum Foundation**. The group conducts research in areas such as random matrices, stochastic differential geometry, stochastic partial differential equations, Malliavin calculus, and related topics in analysis and geometry.

Qualifications

Applicants should hold a PhD degree in mathematics and have a strong research record in probability theory, stochastic analysis, or closely related areas. The ability to conduct independent research, as well as to collaborate effectively within the research group, will be emphasized.

Experience in teaching at the university level and the ability to contribute to the department's researchbased teaching activities (including associated examination duties) in mathematics are expected. The position may also include knowledge exchange with society.

We offer

- A stimulating research environment with a strong international profile.
- Opportunities to collaborate with leading experts in stochastic analysis and related fields.
- A well-supported research infrastructure, including access to travel funds and research visitors.
- A vibrant department with active seminar series and workshops.

About the Department

The Department of Mathematics at Aarhus University is internationally recognized for excellence in research and teaching. It hosts several research groups in pure and applied mathematics and offers a dynamic and collegial academic atmosphere. More information about the department can be found at <https://math.au.dk>.

Place of Work and Area of Employment

The place of work is the Department of Mathematics, Aarhus University, Ny Munkegade 118, 8000 Aarhus C, Denmark.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the assessment committee if necessary, – the head of department selects the candidates to be evaluated. The selection is made on the basis of an assessment of who of the candidates are most relevant considering the requirements of the advertisement. All applicants will be notified within 6 weeks 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 will receive his/her assessment. 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

Application Deadline:
15 December 2025

Faculty:
Faculty of Natural Sciences

Institute/Faculty:
Department of Mathematics

Academic contact person:
Fabrice Baudoin
Professor
fbaudoin@math.au.dk
+4587151872

Vacant positions:
1

Hours per week:
37

Number of months:
36

Expected date of accession:
01/08/2026

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.

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.

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](#).

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/