

# Postdoctoral position in membrane trafficking and lipid transporter regulation

Applications are invited for a **2-year postdoctoral position with the possibility of a 1-year extension** in the field of membrane biology at the **Department of Molecular Biology and Genetics**, Aarhus University, Denmark.

The position is scheduled to start on **1 September 2026** or as soon as possible thereafter

## Expected start date and duration of employment

This is a full-time (100%) fixed-term position for 2 years, starting on 1 September 2026, with the possibility of a 1-year extension, subject to funding and scientific progress.

## Job description

The successful candidate will join the **Lyons Lab** and work on an externally funded research project focused on **regulatory mechanisms governing membrane-associated transport processes** and their role in intracellular trafficking.

The postdoctoral researcher will contribute to an interdisciplinary research programme combining **cell biology, biochemistry, and protein science**, with primary tasks including:

- Cell-based assays to analyse membrane trafficking and transporter regulation
- Advanced fluorescence microscopy and quantitative imaging
- Molecular biology and biochemical approaches to study membrane-associated proteins
- Integration of cellular data with biochemical and structural insights
- Preparation of manuscripts for publication in peer-reviewed journals
- Active participation in a collaborative and international research environment

Depending on background and interest, the candidate will have the opportunity to contribute to **structure-based studies, including cryo-electron microscopy**, with training provided where relevant.

## Your profile

Applicants should hold a **PhD degree** (or be close to completion) in **cell biology, molecular biology, biochemistry, biophysics**, or a related field.

Essential qualifications:

- Strong background in **cell biology**, membrane trafficking, or intracellular transport
- Experience with **mammalian cell culture** and cell-based functional assays
- Ability to work independently and as part of a collaborative research team
- Excellent written and oral communication skills in English

Desirable qualifications:

- Experience with quantitative fluorescence microscopy or live-cell imaging
- Experience with membrane proteins or protein biochemistry
- Interest in integrating cellular approaches with **biophysical or structural methods**
- Prior experience with cryo-EM is **not required**, but considered an advantage

Applicants should be motivated, curious, and keen to work across disciplinary boundaries.

## Who we are

The **Lyons Lab** is part of the **Section of Protein Science** at Aarhus University and is jointly affiliated with **iNANO** and the **Department of Molecular Biology and Genetics**.

The lab investigates the molecular and cellular mechanisms of transmembrane transport processes, with a particular focus on **lipid transport systems**.

The group has access to facilities for mammalian protein production, purification, biochemical and biophysical characterization, as well as state-of-the-art **cryo-EM infrastructure** at the iNANO Cryo-EM Facility and BioImaging facilities.

**Application Deadline:**  
08 June 2026

**Institute/Faculty:**  
Department of  
Molecular Biology and  
Genetics

**Faculty:**  
Faculty of Natural  
Sciences

**Academic contact person:**  
Joseph Lyons  
Tenure Track adjunkt  
+4587150446  
lyons@inano.au.dk  
+4587150446

**Vacant positions:**  
1

**Number of months:**  
24

**Hours per week:**  
37

**Expected date of accession:**  
01/09/2026

### **Place of work and area of employment**

The place of work is Universitetsbyen 81, 8000 Aarhus C, and the area of employment is Aarhus University with related departments.

### **Contact information**

For further information, please contact: Tenure track Assistant Prof, Joseph Lyons, +45 871 504 46, [lyons@inano.au.dk](mailto:lyons@inano.au.dk).

### **Deadline**

Applications must be received no later than 8 June 2026

### **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.

### **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](mailto: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 37,000 students (FTEs) and 8.700 employees and has an annual revenue of EUR 1.106 billion. Learn more at [www.international.au.dk/](http://www.international.au.dk/)*