

# Assistant Professor of metabolism, vascular biology and inflammation

The Department of Biomedicine at Faculty of Health at Aarhus University invites applications for a position as Assistant Professor in the field of metabolism, cardiovascular disease and inflammation as per June 1, 2025, or as soon as possible thereafter. The position is a 2-year full-time position.

The Department of Biomedicine prioritises diversity and a good work environment, as this is a prerequisite for groundbreaking research. In a diverse and international research environment, dedicated employees are looking to generate new knowledge within biomedical research areas such as infection and inflammation, membranes, neuroscience and personalised medicine. The Department of Biomedicine provides research-based teaching of the highest quality and is responsible for a large part of the medical degree programme. Academic staff contribute to the teaching. English is the preferred language in the laboratory, at meetings and at seminars. The department employs approx. 500 people from all over the world, and they make use of the department's modern laboratory-, core- and animal facilities. The Department of Biomedicine focuses on innovation, entrepreneurship and collaboration with business and industry, and numerous researchers from the department have established companies to develop new medicinal treatments founded in professional scientific basic research. You can read more about the department [here](#) and about the faculty [here](#).

## About the research project

The Angiogenesis and Inflammation group, led by Associate Professor Joanna Kalucka (<https://biomed.au.dk/kalucka-lab>), is seeking exceptional researchers at the Assistant Professor level to join our dynamic and diverse international team. Our research aims to uncover the fundamental mechanisms by which blood vessels interact with their tissue microenvironment and adapt their properties in response to inflammation, including in obesity and cancer.

As an Assistant Professor in our group, you will investigate newly identified signaling pathways that are key to endothelial cell activation and regulation during inflammation. Your research will involve detailed characterization studies, utilizing both in vivo and in vitro murine models and patient samples. You will employ cutting-edge techniques to mimic vascular activation and inflammation, leveraging models of diet-induced obesity and tumor development to explore these processes.

You will join a multidisciplinary environment at the intersection of academia and [clinical research](#), with access to state-of-the-art technologies such as [light-sheet microscopy](#), [advanced flow cytometry](#), and [other advanced OMICs approaches](#) (Chromium, Visium, CyTOF, etc.). Additionally, you will benefit from our team's expertise in animal surgery and clinical sample processing. We are looking for candidates with exceptional experimental skills, a passion for discovery, and the ambition to push the frontiers of scientific research. If you are committed to advancing our understanding of vascular biology in health and disease, we invite you to apply.

## Your job responsibilities

As Assistant Professor in the Kalucka Lab at the Department of Biomedicine your primary tasks will be research and research-based teaching. You will teach and supervise students at bachelor's and master's level, and you will contribute to the development of the department through research of high international quality. In your daily work, you will work closely with both Danish and international colleagues. The position of Assistant Professor is a career development position in which you will receive supervision and pedagogical upgrading.

Your main tasks will consist of:

- Independent research of high international quality, including publication.
- Teaching, guidance and examination of bachelor's and master's degree students, as well as possibly supervision of PhD students.
- Some degree of contribution towards attracting external research funding.
- Responsible for educational meetings within the Kalucka Lab, e.g. journal clubs and group meetings.

You will report to Associate Professor Joanna Kalucka.

## Your competences

You have independent research-related qualifications at a high international level. You

**Application Deadline:**  
25 February 2025

**Faculty:**  
Faculty of Health

**Institute/Faculty:**  
Department of  
Biomedicine

**Academic contact person:**  
Joanna Maria Kalucka  
Lektor  
[joanna.kalucka@biomed.au.dk](mailto:joanna.kalucka@biomed.au.dk)

**Vacant positions:**  
1

**Hours per week:**  
37

**Number of months:**  
24

**Expected date of accession:**  
01/06/2025

are a clear communicator, and you have some degree of experience with supervision and teaching at bachelor's and master's degree level. We draw attention to completed pedagogical courses in supervision or similar, as well as experience with the establishment of PhD courses and external research collaborations.

As a person, you have good interpersonal skills, are inclusive and team-oriented and able to contribute to a good work environment.

We expect you to be fluent in oral and written English. International applicants are expected to learn Danish, and Aarhus University arranges Danish teaching.

You hold a Ph.D. degree in molecular medicine/biology, biochemistry, molecular pharmacology or closely related disciplines and have a minimum of 3 years of postdoctoral working experience.

You have thorough understanding of metabolism, vascular biology, inflammation and tumor biology.

You have extensive practical experience with standard molecular biology techniques (e.g. protein and gene expression analysis, immune- and cell-based assays) as well as within the following fields: Primary cell handling (e.g. endothelial and immune cells), gene editing, mouse models (e.g. tumor, inflammation and angiogenesis models including standard dissection and surgery) and metabolic analysis.

In order to be assessed as qualified for an Assistant Professor position, you must meet [these academic criteria](#).

Shortlisting will be used.

#### **Questions about the position**

If you have any questions about the position, please contact Joanna Kalucka tel.: (+45) 52169817.

Your place of work will be the Department of Biomedicine, Bartholin building, Wilhelm Meyers Allé 4, DK-8000 Aarhus C, Denmark.

We expect to conduct interviews in April.

#### **Terms of employment**

- Appointment as an assistant professor requires academic qualifications at PhD level.
- Further information on the appointment procedure can be found in the [Ministerial Order on the Appointment of Academic Staff at Universities](#).
- The appointment is in accordance with the [Danish Confederation of Professional Associations](#) (Akademikerne).
- Remuneration is in accordance with the above, and the [Salary agreement catalogue for staff at Health](#).
- The yearly base salary for a fulltime assistant professor is between DKK 484.214,84 and DKK 538.720,20 depending on the years of working experience after achieved MSc degree. The base salary includes a position related supplement and pension (17.1 %). Additional supplement(s) for special qualifications can be negotiated. Authorisation supplement(s) will be granted, if relevant for the position. Your local eligible trade union representative at Aarhus University negotiates your salary on your behalf.
- Researchers recruited from abroad are offered a [special researcher tax scheme](#) with a lower tax rate.
- Further information on qualification requirements and job description can be found in the [Ministerial Order on Job Structure for Academic Staff at Universities](#).

#### **Application**

Your application must include the following:

- Motivated application

- Curriculum Vitae
- Diploma
- [Template for applicant - assistant professor or tenure track assistant professor](#)
- A list of publications
- A teaching portfolio. We refer to [Guideline on the use of teaching portfolios](#)
- A maximum of five of the publications of greatest relevance to the job may be submitted (optional)
- Research plan, which is part of the 'Template to applicant - assistant professor or tenure track assistant professor' can be uploaded separately (optional)
- Coauthor statement(s) can be uploaded (optional)
- References/recommendations can be uploaded separately in the e-recruitment system (optional)

We refer to the faculty's [Guidelines for applicants](#).

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.

#### **International applicant?**

Aarhus University offers a broad variety of services for international researchers and accompanying families, including assistance with relocation and career counselling to expat partners. Please find more information about the International Staff Office and the range of services [here](#). Aarhus University also has a Junior Researcher Association and offers career development support. You can read more about these resources [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/](http://www.international.au.dk/)*