Academic employee (AC-TAP) within imaging analysis and IT infrastructure for imaging data

Application Deadline:
04 February 2026

Institute/Faculty:
Department of Biomedicine

Faculty:
Faculty of Heatlh

Academic contact person:
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Vacant positions:
1

Hours per week:
37

Expected date of accession:
01/04/2026

The Department of Biomedicine at Faculty of Health at Aarhus University invites applications for a position as an academic employee within image analysis and IT infrastructure for imaging data as per 1 April 2026 or as soon as possible thereafter. This position is event limited and is part of a strategic project that aim to establish an IT-infrastructure for imaging and imaging analysis, with the possibility of being extended beyond the initial period

The Department of Biomedicine prioritizes 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 personalized 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.

Your job responsibilities

As an academic employee, your primary responsibilities will be to support researchers with image analysis, educate postgraduate students in this field, and develop an IT infrastructure for the storage and sharing of microscope-generated data. You will be employed at the Department of Biomedicine with your base in the Imaging Core, while also providing services to other departments within the Faculty of Health. Consequently, regular workdays at Skejby Hospital should be expected.

You will be highly involved in shaping and defining the content of the position. However, it is expected that approximately 50% of your time will be dedicated to IT infrastructure development, with the remaining 50% focused on image analysis and related support.

You will play a key role in improving how microscopy data are handled by enhancing analysis workflows, storage solutions, and data-sharing practices. Your daily work will involve close collaboration with skilled colleagues in the Imaging Core at Biomedicine, as well as with imaging experts across the Danish Bioimaging Network.

Your primary tasks are:

- Implement new imaging software solutions,
- Increase awareness of, and optimize the use of, existing commercial and open-source software (e.g., Arivis, Imaris, ImageJ, QuPath),
- Assist researchers with scripting and plugin development for imaging software,
- Develop a strategy for data storage in collaboration with the IT department,
- Build or purchase new power PC’s for image analysis,
- Implement the FAIR principles (Findable, Accessible, Interoperable, Reusable),
- Develop PhD-level courses in scripting, image analysis, and FAIR principles as part of this strategic initiative or in collaboration with existing imaging cores at Health,

You will report to Professor Morten S. Nielsen.

Your competences

You have a background within life science or data science and experience with light microscopy data, image analysis and/or data-science. The preferred candidate has a PhD. If you come with a background in data science, it is expected that you have some knowledge about imaging data.

As a person, you have good interpersonal skills, are inclusive and team-oriented and able to contribute to a good work environment. But you should also be able to independently structure your own day.

We expect you to be fluent in oral and written English.

Terms of employment

Terms of employment and pay are regulated by the collective agreement between the Ministry of Taxation and Academics in the state.

Application

Your application must include the following:

- Motivated application
- Curriculum Vitae
- Indication of education (a copy of the diplomas should be uploaded)
- References/recommendations can be uploaded separately in the recruitment system

We refer to the faculty's Guideline 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.

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/