

Postdoc in bone biology and tissue engineering

The Department of Dentistry and Oral Health at Faculty of Health at Aarhus University invites applications for a position as Postdoc in the field of bone biology as per 1 August 2025 or as soon as possible thereafter. The position is a fixed-term full-time position for two years.

As postdoc at the Department of Dentistry and Oral Health, you will be employed at an internationally recognised department, where we conduct research on oral health and disease in the teeth, mouth and jaws. We offer an inspiring international research environment with specialised research laboratories, modern clinical facilities and advanced digital equipment throughout the department. Our degree programmes cover the orofacial team for societal healthcare services, divided into three professions: dentist, dental hygienist, and clinical dental technician. We create synergy between our degree programmes and educate students in prevention and treatment of disease and health promotion among the population. The Department has around 300 staff and 700 students. The focus of both our research and educational work is orofacial health as an integral part of general health, and our collaboration is built on respect, trust, recognition and professionalism. You can read more about the Department [here](#) and the Faculty of Health [here](#).

About the research project

Together with the team members, you will implement the project's goal; to discover new drugs and biomaterials through:

- preparation of hard and soft tissue
- preparation of human and animal samples for biological and imaging analysis
- studying disease mechanisms.

You will process human and animal tissue for genetic, molecular and analytical analysis and will be working in hospital environment, animal facilities and research laboratory with microbiology and histology focus.

Your job responsibilities

As postdoc in bone biology and tissue engineering your position is primarily research-based but may also involve teaching assignments. You will contribute to the development of the department through research of high international quality. In your daily work, you will work closely with multidisciplinary colleagues on your project, and you will receive supervision and guidance.

Your main tasks will consist of:

- Brainstorming and designing how to handle samples for multiple analysis.
- Optimization of protocols for tissue preparation before further analysis of disease mechanisms (and drug/biomaterials responses).
- Performing analysis and interpreting the results together with the project team.
- Presenting the research at various events in Denmark and abroad.
- Reporting on the research results in scientific publications and project reports.

You will be able to focus on your post-doctoral research full-time, get supervision, and implement new ideas as a part of a research team in the positive and multidisciplinary environment at the Faculty of Health.

You will report to the Head of Section for Oral and Maxillofacial Surgery and Oral Pathology, Kasia Gurzawska-Comis.

Your competences

- You hold a PhD in a field related to the position, e.g. cell technology or biomaterials science.
- Strong experience in animal studies and collection of samples for biological and 3D imaging analysis.
- Ability to plan and manage complex experiments, including timelines, resource management, and troubleshooting.
- Skills in histology, microCT, microscopy (e.g., confocal, fluorescence) and optionally microbiology.

Application Deadline:
23 May 2025

Faculty:
Faculty of Health

Institute/Faculty:
Department of
Dentistry and Oral
Health

Academic contact person:
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Vacant positions:
1

Hours per week:
37

Number of months:
24

Expected date of accession:
01/08/2025

- Knowledge and experience with isolation of genetic material from tissue for further analysis like real-time PCR, proteomics, transcriptomics.
- Solid foundation in biomedical engineering principles and biomaterials science to understand how materials interact with soft and hard tissue.
- Willingness to learn and integrate new methods or technologies, such as bioinformatics and 3D imaging processing.
- Ability to work both independently and in a team, and interest in academic research.
- Experience working with multidisciplinary teams, such as biologists, engineers, and clinicians, and the ability to communicate complex ideas across fields.

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.

In order to be assessed as qualified for a postdoc 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 Head of Section for Oral and Maxillofacial Surgery and Oral Pathology Kasia Gurzawska-Comis, e-mail kasia.gurzawska-comis@dent.au.dk

Your place of work will be the Department of Dentistry and Oral Health, Vennelyst Boulevard 9, DK-8000 Aarhus C, Denmark.

We expect to conduct interviews in June 2025.

Terms of employment

- Appointment as a postdoc 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 postdoc 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](#)

Application

Your application must include the following:

- Motivated application
- Curriculum Vitae
- Diploma
- [Template for applicant - postdoc](#)
- 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 can be uploaded (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/