

Postdoc in translational neuro-oncology and cancer neuroscience

At the Institute for Clinical Medicine, Human Cortex Lab, at Aarhus University's faculty of medical science, Health, are looking for a postdoc in translational neuro-oncology per August 1st 2026 or as soon as possible hereafter. The position is a 2-year limited full-time employment with the possibility of extension.

As a postdoc in translational neuro-oncology and bioinformatics at the Institute for Clinical Medicine you will be a part of the presumably largest medical science research institute in Denmark. The clinical research covers all the medical specialties and is conducted in collaboration with the university hospital and regional hospitals in Central Denmark Region. We command around 30,000 square meters of modernized research facilities for experimental surgery and medicine, animal facilities, and advanced scanners. The institute has the overall responsibility for the medical and molecular medicine graduate programs. At the institute we are about 670 scientific employees, 500 Ph.D. students, and 160 technical/administrative employees collaborating across fields. As a postdoc you will be working at Aarhus University Hospital or one of the other hospitals in Central Denmark Region. You can read more about the institute and the faculty [here](#).

In the Human Cortex Lab we work with translational neuro-oncology focusing on human preclinical models and clinical trials centered around glioma and brain metastases. Our established platforms combine neuronavigated tissue sampling from surgery with fast laboratory processing and utilization of living tissue in organotypic tissue slices, organoids, cell cultures, functional and multi-omics assays. We work on coupling clinical metadata to advanced molecular, structural, and functional methods to enable clinically relevant insights into tumor biology aiming at developing new treatments. The lab is closely affiliated to the Neurosurgical Department, Aarhus University Hospital, and are likewise a part of clinical trials testing new treatment regimens against brain cancers. Our work is conducted in close collaboration with leading national and international researchers. You can read more about Human Cortex Lab [here](#).

The research project

The research project is focused on investigation and perturbation of cancer-neuron interactions in patient-derived model systems. The objective is to identify new therapeutic vulnerabilities to improve patient outcomes. Functional, structural, and molecular multi-omics assays will be employed to obtain mechanistic insights in close collaboration with local and international labs. Parts of the analyses will be conducted on material from patients in clinical intervention trials.

Your tasks

As a postdoc in translational neuro oncology and bioinformatics your position will primarily be research-focused, but may also include teaching responsibilities, supervision, and training/recruitment of new students and employees. You will contribute to the development of the institute's and laboratory's academic field through research of high international quality. In your daily project work, you will collaborate closely with colleagues, who will provide supervision and guidance. Your work will be performed in close collaboration with other departments and institutes, including the Department of Molecular Medicine (MOMA), Aarhus University Hospital, the Biotech Research and Innovation Center, University of Copenhagen, and German Cancer Research Center; Universitätsklinikum Heidelberg. Possibilities or needs for periodic stays at these locations may occur.

Your tasks will primarily consist of:

- Independent research of high international quality, including publications and research presentation.
- Participation in and coordination of laboratory operational tasks.
- Participation in and coordination of tasks related to clinical trials, including potential patient contact.
- Participation in ongoing clinical and preclinical research tasks and -projects.
- Database work and data management.
- Teaching and supervision of students and employees.
- Analyses of tissue from patients with multi-omics technologies, including scRNA-seq, WGS, spatial molecular profiling data etc..

Application Deadline:
03 June 2026

Institute/Faculty:
Department of Clinical
Medicine

Faculty:
Faculty of Health

**Academic contact
person:**
Henriette Thygesen
Professorsekretær
henthg@clin.au.dk

Vacant positions:
1

Number of months:
24

Hours per week:
37

**Expected date of
accession:**
01/08/2026

- Purification of DNA, RNA, ctDNA, extracellular vesicles, etc..
- Collection, handling, and processing of tissue samples.
- Work with preclinical models, cell cultures, organoids, slices, etc.
- Participation in and coordination of collaborations with national and international partners.
- Participation in regulatory and administrative tasks related to clinical trials.

You will refer to group leader Anders Rosendal Korshøj.

Your competences

You have scientific qualifications at the Ph.D. level, preferably within one or several of the following areas:

- Neuro oncology (potentially oncology), preferably with a focus on glioma biology and cancer neuroscience.
- Bioinformatical analyses, including scRNA-seq, WGS/WES, methylation profiling, proteomics, SMI, SMART-seq.
- Liquid biopsies, including ctDNA, EVs, cDNA.
- Purification of DNA/RNA from samples.
- Preclinical glioblastoma models including organoids, spheroids, and cell cultures,
- Drug screening protocols
- Publication of more scientific papers in recognized peer-reviewed journals.
- Documented abilities to be part of a collaborative environment.
- Experience with application for funding, preferably with documented granting.

As a person, you have strong collaborative skills, a welcoming demeanor, and can contribute to a positive working environment. You work independently, proactively, and structured. We expect you speak and write English fluently.

To be assessed as a qualified postdoc candidate, you must fulfill [these academic criteria](#).

Shortlisting will be applied.

Obtaining a children's certificate is a prerequisite for employment.

Questions regarding the position

If you have questions regarding the position you are welcome to contact Secretary, Henriette Thygesen, Phone: +45 24942230.

Your place of employment is Intitute for Clinical Medicine, Aarhus University, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N, Denmark.

We expect to conduct interview in June 2026.

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 493.394,35 and DKK 585.322,48 depending on the years of working experience after achieved Master's degree. The base salary includes a position related supplement and pension (18,07%). 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 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/