

Postdoctoral position in influence of brain tumor microenvironment on therapeutic response, Copenhagen, Denmark (re-posting)

A position as postdoctoral fellow is available at the Bartholin Institute, Department of Pathology, Copenhagen University Hospital – Rigshospitalet and at the Biotech Research and Innovation Centre (BRIC), University of Copenhagen, with 1 May 2022 being the desired starting date. The position is available from 1 May 2022 and is offered for three years.

Our group and the position

The selected candidate will be part of Professor, consultant neuropathologist Bjarne Winther Kristensens research group (<https://www.bric.ku.dk/research-groups/Research/kristensen-group>). A main interest in the group is how the tumor microenvironment influences glioblastoma aggressiveness and therapy response. We use both patient-derived tissue and experimental in vitro and in vivo models in our research. The postdoc project will focus on crosstalk between tumor cells and microenvironment with both spatial transcriptomics, single cell sequencing and experimental in vitro and in vivo models including pre-clinical orthotopic glioblastoma models. Our laboratory has the newest and most advanced laboratory instruments for these purposes.

We seek an outstanding and self-motivated new colleague with a PhD degree in cancer biology, who can independently carry out research projects. The future colleague will also actively contribute to other research projects in the group and co-supervise PhD students as well as MSc and MD students.

The ideal candidate has experience with at least some of the following:

- Single cell sequencing and/or spatial transcriptomic techniques
- Molecular techniques like PCR and sequencing
- Advanced data analysis and bioinformatics
- Cell/tissue culturing and experimental in vivo models
- CRISPR/Cas9 genome editing
- Histological staining methods including multiplexing
- Assisting in grant writing
- Training of students and guests
- Teaching activities

Your education and background:

- A PhD degree in cancer biology or related topic

- At least one submitted or accepted first authorship in a relevant journal
- Excellent collaborative skills
- A positive and motivating attitude making you an excellent role model
- Diligence and intellectual flexibility as required for an academic position
- An open and positive mind that actively contributes to the infrastructure and the success of the research team

For further information please contact Professor Bjarne Winther Kristensen by e-mail: bjarne.winther.kristensen.01@regionh.dk

Application, salary etc.

The successful applicant will be employed in accordance with the agreement between the Ministry of Finance and AC (the Danish Confederation of Professional Associations).

The application must include the following:

- A letter of motivation
- A curriculum vitae including information on previous employment
- A full list of publications stating the scientific publications on which the applicant wishes to rely

Incomplete applications and applications received after the deadline will neither be considered nor evaluated.

To qualify you must have passed a PhD or equivalent. Applications will be assessed by an expert assessor/committee. Applicants will be informed of their assessment by the university.

Rigshospitalet wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

Application deadline: 1 April 2022.

An excellent research environment

The Bartholin Institute is localized in the Copenhagen Biocenter, University of Copenhagen together with BRIC and the Finsen laboratory. Together we are 28 research groups sharing a number of core facilities and working on research projects relevant for cancer, diabetes, neurological and metabolic diseases (<https://www.bric.ku.dk>). We have weekly journal and data clubs, seminars with invited speakers and we have an excellent PhD programme,

MoMeD and [Postdoc Career Programme](http://eu-life.eu/). Moreover BRIC is part of the European alliance, EU-life consisting of 13 excellent life science research institutions <http://eu-life.eu/>.

About Department of Pathology

The Department of Pathology, Rigshospitalet is a part of The Centre of Diagnostic Investigation, and as the only pathology department in the country has diagnostics in all subspecialties of pathology. The department handles both main functions, regional functions and highly specialized functions. The diagnostic work is performed in close collaboration with equally highly specialized clinical departments.

The Head of Department and the Senior Chief Biomedical Laboratory Scientist have the responsibility to lead the department and the approx. 200 staff members, that is made up of 2 professors, 29 senior consultants, 12 consultants and 9 trainees. In addition, 5 molecular biologists, 1 biochemist, 1 civil engineer, 1 Msc are employed in the department. There are currently 7 PhD students and senior researchers affiliated.

About Centre of Diagnostic Investigation

The Centre of Diagnostic Investigation is a collection of eight highly specialised departments with approx. 1.600 staff members and an annual turnover of 1 Mia. Dkr. The core services are diagnostics and patient treatment, education and research. The Centre of Diagnostic Investigation supports patient treatment each year by producing more than 10 mio. laboratory analyses, more than 650.000 imaging-based diagnoses and it has more than 1 mio. contacts to both patients and donors.

The 33 professors and other research staff publish more and 500 scientific articles in international renowned journals. Besides The Department of Pathology, the Centre of Diagnostic Investigation consists of Department of Diagnostic Radiology, Department of Clinical Biochemistry, Department of Clinical Genetics, Department of Clinical Immunology – Blood Bank and Tissue Typing Laboratory, Department of Clinical Microbiology, Department of Clinical Physiology, Nuclear Medicine and PET, Medical Research Library and DEKS (Danish Institute for External Quality Assurance for Laboratories in the health sector).