

Denmark:PhD fellowship in Bioinformatics

Center for non-coding RNA in Technology and Health (RTH) (<http://rth.dk>) at Department of Veterinary Clinical and Animal Sciences, Faculty of Health and Medical Sciences at University of Copenhagen is offering a PhD fellowship in Bioinformatics to commence on 1 March 2017 or as soon as possible thereafter. The position is limited to three years.

We are looking for an enthusiastic person to join our team. You will be a hard-working team player and a key person in the group and project essential for obtaining successful results. The PhD position is part of the Stem Cell Center of Excellence in Neurology, BrainStem (<http://brainstem.dk>) and the PhD student will be interacting closely with the Group for Stem Cells and Embryology. BrainStem is supported by the Innovation Fund Denmark.

Information about the department can be found at: <http://ikvh.ku.dk/english/> .

Background

Within BrainStem patient-specific neurons are derived from induced pluripotent stem cells obtained from skin fibroblasts to study Alzheimer's and Parkinson's diseases with the long term aims of patient specific treatment and drug development. The studies will take outset in neurodegeneration caused by specific mutations and the disease processes will be addressed at the molecular level by both experimental and computational approaches. See more at <http://brainstem.dk> .

General job description

Your key tasks as a PhD fellow at Faculty of Health and Medical Sciences (SUND) are to:

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Specific job description

The project involves analysis of transcriptomic data with regard to detection of differentially expressed genes and differential processing profiles. Bench-marked pipelines and novel computational methods will be developed for analyses as well. These methods will take other types of cellular data obtained from the stem cell-derived neurons into account. A focus area will be noncoding and structured RNA and the developed methods and analyses will also involve coping with these. Other data generated within BrainStem will be incorporated in the pipeline settings and interactions with experimental groups with regard to mechanistic studies for RNA function will be carried out as well.

Required qualifications

The applicant should hold professional as well as personal skills and qualifications as stated below:

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

[REDACTED]

Candidates fulfilling one or more of the following qualifications will be prioritised:

[REDACTED]

Key criteria for the assessment of candidates

[REDACTED]

Formal requirements

The position is available for a 3-year period for applicants holding a relevant master's degree.

Employment as a PhD fellow will be conditional on successful enrolment in the PhD programme according to the rules stipulated in "Bekendtgørelse nr. 18 af 14. januar 2008 om ph.d.-graden."

Terms of employment

Salary and other terms and conditions of appointment are set in accordance with the Agreement between the Ministry of Finance and AC (Danish Confederation of Professional Associations) or other relevant professional organisations. Depending on seniority, the monthly salary begins around 25.759 DKK (approx. EUR 3.434) plus pension. The position is covered by the Job Structure for Academic Staff at Universities (2013).

Place of employment

RTH is mainly located on the Frederiksberg Campus, however as part of the Brainstem project research stays with project partners will be a part of the PhD. Our research environment is highly international and stimulating. We frequently organise seminars, workshops, PhD summer schools with international speakers and have retreats with our international collaborators.

Questions

For further information about the scientific content of the position, please contact Professor Jan Gorodkin, e-mail: gorodkin@rth.dk, phone +45 353 34704 or +45 353 33578 (direct). For any administrative queries please contact Administrative Officer, Marie-Louise Rosenlund, e-mail: mlr@sund.ku.dk, phone +45 353 32898.

Foreign applicants may find the following links useful: www.ism.ku.dk (International Staff Mobility) and www.workingconditions.ku.dk.

General information about PhD programmes at the Faculty of Health and Medical Sciences is available on the Graduate School's website: <http://healthsciences.ku.dk/phd/>.

Application procedure

The application must be submitted in English, by clicking on “Apply online” below, and must include the following:

[REDACTED] fic PhD
[REDACTED]
[REDACTED] ed in the

The deadline for applications is 12 January 2017. Any applications received after this time or incomplete will not be considered.

Receipts of the applications will be acknowledged, and the applicant will be kept continuously informed of the progress of the application.

Tentative Submission Deadline : 12 January 2017

[Further Information](#)