



## Jobportal

- Job og karriere på KU

## Postdoctoral fellow in RNA bioinformatics and transcriptome analysis

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, University of Copenhagen, has an open postdoctoral position in RNA bioinformatics and transcriptome, next generation sequencing (NGS) analysis. We are looking for an enthusiastic person to join our team as soon as possible. You will be a hard-working team player and a key person in the project. The project is financed by the Innovation Fund Denmark (09-067036).

### Background

Non-coding RNAs (ncRNAs) are a highly abundant class of genes that play numerous important roles in the cell and in disease. These ncRNAs often contain RNA structure either for the entire sequence or sometimes as minor "domains". In RTH we have developed a range of computational tools for the analysis of both structured RNAs and high-throughput data and we address ncRNAs in the context of disease and in technology. The project takes outset in data from inflammatory diseases.

### Job description

Focus will be on detecting differentially expressed genes in disease cases and key goals of the project, is to filter and rank candidate genes. Various enrichment analyses with respect to existing annotations will be made and pipelines for expression analysis, data integration and statistical analysis will be developed within the project.

### Qualification Requirements

The candidate should have:

- Documented scientific qualifications as PhD or equivalent in bioinformatics, computational biology, computer science or similar
- Very strong expertise and experience with script language such as Perl and Python (or similar)
- Strong experience with the linux/unix environment, command lines and shell scripting
- Experience with statistical analysis
- Differential expression analysis (with background correction/ multiple testing)
- Excellent written and oral communication skills in English
- Demonstrated capacity for effective team work
- Possess good interpersonal skills

### Desirable criteria

- Previous background in bioinformatics (computing skills related to the use of databases)
- Knowledge in mammalian physiology and metabolic diseases
- General knowledge about RNA structure folding algorithms
- C or C++

### Relationships

The Postdoc will report to Prof Jan Gorodkin, Director of Center for non-coding RNA in Technology and Health.

The Postdoc will interact with staff at all levels, both internally and externally, regarding relevant research topics.

### Employment conditions

Employment will be in accordance with the provisions of the collective agreement between the Danish Government and AC (the Danish Confederation of Professional Associations). The gross basic salary range for Postdoctoral Fellows is DKK 32,000 to DKK 33,700 per month (around EUR 4,200-4,500) (level 6 to 8). To the basic salary a supplement could be negotiated, dependent on the candidate's experience and qualifications. An additional 17.1% monthly contribution to pension will be paid by the employer.

The position is time limited for up to 12 months and will expire on 31 December 2016 with a 37 hour working week.

Researchers recruited from abroad can apply for a special tax scheme – named **Researcher Taxation**. With this scheme, as a Postdoc at University of Copenhagen you can choose a flat rate tax of 26% for a period of 60 months. An additional mandatory 8% labor market social contribution will be added. In order to be covered by the flat rate tax of 26%, it is a requirement that you have not been tax liable to Denmark 10 years prior to your employment at the University of Copenhagen. For further information about this scheme go to: <http://ism.ku.dk/onarrival/taxes/>.

### Questions

For further information about the

- Scientific content, please contact: Professor Jan Gorodkin, e-mail: [gorodkin@rth.dk](mailto:gorodkin@rth.dk), phone +45 353 34704, +45 353 33578 (direct)
- Application procedure and formalities, please contact: Administrative Officer Marie-Louise Rosenlund, e-mail: [mlr@sund.ku.dk](mailto:mlr@sund.ku.dk), phone: +45 353 32898

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

## Application

Apply by clicking "Apply now" below. Please note that only online applications will be accepted.

Applications - in English - must include:

- A letter of motivation (cover letter)
- Diplomas – all relevant certificates
- Curriculum vitae
- Publication list

**The deadline for applications is 3 January 2016.** Any applications received after this time and incomplete applications will not be considered.

**The further process Shortlist:** After the expiry of the deadline for applications, the authorized recruitment manager selects applicants for assessment on the advice of the appointments committee. All applicants are then immediately notified whether their application has been passed for assessment by an expert assessment committee. Selected applicants are notified of the composition of the committee and each applicant has the opportunity to comment on the part of the assessment that relates to the applicant him/herself. You can read about the recruitment process at <http://employment.ku.dk>.

As an equal opportunities employer, the University welcomes applications from suitable qualified people, regardless of age, race, religion, gender or ethnic background.

In addition to the material the applicant wishes to be included in the assessment, the Assessment Committee may include further material in their assessment of the applicant. In such circumstances, it is the responsibility of the applicant, on request, to send the material to the Committee.

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

The application will be assessed according to the Ministerial Order no. 242 of 13 March 2012 on the Appointment of Academic Staff at Universities.

SØG STILLINGEN

*Københavns Universitet præger aktivt sin samtid gennem fremragende forskning, uddannelse og samarbejde. KU hører til de højest rangerende universiteter i Europa og er Danmarks ældste universitet, grundlagt 1479. I dag omfatter KU ca. 40.000 studerende og 9.000 ansatte tilknyttet seks fakulteter: humaniora, jura, natur- og biovidenskab, samfundsvidenskab, sundhedsvidenskab og teologi.*

---

## Kontakt

### Jan Gorodkin

E-mail: [gorodkin@rth.dk](mailto:gorodkin@rth.dk)

Tlf.: 35333578

---

## Info

**Ansøgningsfrist:** 03-01-2016

**Ansættelsesform:** Tidsbegrænset periode

**Ansættelsesdato:** 01-02-2016

**Sted:** Institut for Klinisk Veterinær og Husdyrvidenskab

---

## Relevante links

<http://ikvh.ku.dk/english/>

<http://rth.dk>

---

## Søg i stillinger

SØG