



## Postdoctoral Fellow in Bioinformatics CBMR

The Novo Nordisk Foundation Center for Basic Metabolic Research (CBMR), Faculty of Health Sciences, University of Copenhagen.

### Postdoctoral Fellow in Bioinformatics

The Novo Nordisk Foundation Center for Basic Metabolic Research is seeking a post-doctoral fellow for a time-limited 3-year contract, with an option for extension based on performance. The starting date is 1<sup>st</sup> of March or as soon as possible thereafter.

### Background

The Novo Nordisk Foundation Center for Basic Metabolic Research has been established at the Faculty of Health Sciences, University of Copenhagen, to conduct research into basic metabolic functions. The Center consists of five scientific sections and a number of international research satellites and was established through a grant from the Novo Nordisk Foundation. The position is in the section for Integrative Physiology. The research in this Section is focused on delineating novel pathways and regulators of glucose and energy homeostasis to resolve the complex metabolic phenotypes that drive the development of insulin resistance and increased adipose tissue mass in type 2 diabetes and obesity.

You can read more about the The Novo Nordisk Foundation Center for Basic Metabolic Research on: <http://metabol.ku.dk>.

### Job Description

The Section for Integrative Physiology, headed by Prof. Juleen Zierath, is aiming at establishing a bioinformatics platform to analyse transcriptomics, metagenomics and epigenetics datasets.

Type 2 Diabetes is growing at pandemic rates worldwide, reflecting a synergic interaction between genetic and environmental factors. Epigenetics refers to heritable states of gene expression that are not due to changes in DNA sequence. Two major epigenetic processes, DNA methylation and histone modifications, form the molecular basis of epigenetics, principally by modulating the access of the transcription machinery to the chromatin. Previously, we showed that environmental factors such as diet participate in the etiology of T2D through epigenetic modifications in somatic tissues. The molecular mechanisms involved are yet to be identified.

We are seeking a Senior Bioinformatician to establish and run pipelines and to deliver analytical outputs. The applicant should be expected to work and consult with colleagues concerning issues of data analysis and interpretation and manage a team of junior Bioinformaticians.

The holder of the position will report to the Head of the Integrative

Physiology Section Professor Juleen Zierath and to Associate Professor Romain Barres.

The holder of the position is expected to interact with staff at all levels, both internally and externally, regarding relevant research topics.

Solid experience and an excellent track record gained in leading laboratories in the field will be considered a distinct advantage. In all cases, ability to perform the job will be the primary consideration, and thus we encourage all - regardless of their personal background and status - to apply.

### **Qualification requirements**

In connection with the appointment to the post special importance will be attached to the applicant having the professional and personal qualifications stated below:

- PhD in Bioinformatics, Informatics, Statistics or related field
- Experience in applied bioinformatics in a research environment
- Knowledge in mammalian physiology
- Experience in analysis of high throughput sequence data such as ChIP-seq (histone- and methyl-seq), RNA-seq, Bisulfite-seq and RRBS.
- Experience in team management
- Programming skills (MATLAB, R or related)
- Excellent written and oral communication skills

**Terms of Employment** General reference is made to the [ministerial order on the employment of scientific staff at Danish universities - www.ubst.dk](http://www.ubst.dk).

The gross basic salary range for Postdoctoral Fellows is approximately DKK 33,000 per month (level 6 to 8). A supplement may be negotiated in addition to the basic salary but this is dependent on the candidate's experience and qualifications. An additional 17.1% monthly contribution to pension will be paid by the employer.

For more information on working and living in Denmark: <http://ism.ku.dk/>, and [www.workingconditions.ku.dk](http://www.workingconditions.ku.dk)

### **Questions**

For further information about the position please contact Associate Professor Romain Barres, e-mail [barres@sund.ku.dk](mailto:barres@sund.ku.dk) or for any administrative queries, Academic Officer Sara Barazi, [Barazi@sund.ku.dk](mailto:Barazi@sund.ku.dk)

### **Application**

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

Applications - in English - must include:

- A letter of motivation (cover letter)
- Curriculum vitae
- Publications list
- Minimum 2 relevant recommendations

The **deadline for applications is 27<sup>th</sup> of January 2013, at 23:59**. Any

applications received after this time or incomplete will not be considered.

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 applicant will be assessed according to the Ministry of Science Technology and Innovation Executive Order no. 284 of 25. April 2008.

*Københavns Universitet er Danmarks ældste universitet, grundlagt 1479. KU er med ca. 37.000 studerende og 7.500 medarbejdere det største universitet i Norden og det eneste nordiske universitet på verdens top-100.*  
[www.ku.dk](http://www.ku.dk)

[Apply online](#)

*Founded in 1479, the University of Copenhagen is the oldest university in Denmark. With 37,000 students and 9,000 employees, it is among the largest universities in Scandinavia and one of the highest ranking in Europe. The University consists of six faculties, which cover Health and Medical Sciences, Humanities, Law, Science, Social Sciences and Theology.*

**Deadline:** 27-01-2013

**Publisher:** Faculty of Health Sciences