

Postdoctoral fellowships in genetic epidemiology, statistical genetics, precision health or related fields.

**Novo Nordisk Foundation Center for Basic Metabolic Research
University of Copenhagen**

We are looking to hire up to two highly motivated and dynamic researchers with a PhD or equivalent doctorate to join the Loos Group. Candidates should have a strong background in genetic epidemiology, epidemiology, statistical genetics, computational biology, machine learning or a related field and have an interest in obesity, metabolism and precision health. The position is a 2-year position to start February 14, 2022.

Background

The vision of the Novo Nordisk Foundation Center for Basic Metabolic Research is to strengthen interdisciplinary research that transforms our basic understanding of the mechanisms underlying metabolic health and disease and apply this knowledge to new prevention and treatment strategies. Established in 2010, we moved into new laboratories, offices and meeting rooms in the [Maersk Tower](#) in 2017.

The Center has approximately 240 employees who work across a wide range of biomedical disciplines in a highly collaborative, international research environment. You can read more about us here: www.cbmr.ku.dk.

Our group and research

The Loos Group aims to identify the key genetic and non-genetic determinants of body weight regulation to gain insight into the deeper layers of biology that underlie obesity and metabolism. Additionally, we aim to improve prediction, prevention and treatment through implementation of precision health strategies. You can read more about the Loos Group [here](#).

Your job

Successful candidates will have the opportunity to work on one or more of the following projects:

In the first project, we aim to gain insight into the deeper layers of biology that underlie body weight regulation and fat distribution. We do this through the discovery of genes and genetic variations that are associated with obesity and other adiposity traits.

This project requires expertise in genetic association analyses. Knowledge of bioinformatic tools to translate variant-to-function is an asset.

In the second project, we aim to determine the genetic and non-genetic determinants of body weight through deep-phenotyping of individuals at high vs. low genetic risk for obesity in recall-by-genotype studies.

This project requires insight into the role of rare genetic variations in obesity. Experience in epidemiology and knowledge of deep physiological phenotyping are assets.

In the third project, we will build a precision health cohort to identify key predictors of individuals' metabolic responses to diet and exercise, in an effort to improve precision of lifestyle recommendations for optimal health.

This project requires experience with wearable, mobile and sensor technologies and expertise in generating and integrating multi-modal data to better understand complex disease.

Skills and qualifications

We are looking for highly motivated and enthusiastic researchers who, in addition to the desired expertise stated above, have the following skills and qualifications:

- a PhD in genetic epidemiology, epidemiology, statistical genetics, computational biology, machine learning or a related field.
- a strong computational background and expertise in dealing with large (genomic) data sets.
- extensive experience with analysing data, interpreting results, and concisely summarizing key messages.
- an active interest in obesity, metabolism, nutrition, physical activity, lifestyle and precision health
- an interest in conceiving and designing new projects, in line with the group's research focus
- a proven track record showing scientific productivity in peer-reviewed journals.
- proficient communication skills and ability to work in multi-disciplinary teams.
- experience in supervising other researchers at different levels.
- excellent English communication skills, both written and spoken.

Place of employment

The place of employment is at the Novo Nordisk Foundation Center for Basic Metabolic Research, Maersk Tower, Panum Institute, University of Copenhagen. We offer a creative and stimulating work environment in a dynamic, international research setting.

Terms of employment

The employment as postdoc is a full time and fixed-term position for 2 years (can be extended). Starting date is February 14, 2022.

Salary, pension and terms of employment will be in accordance with the agreement between the Ministry of Finance and AC (Danish Confederation of Professional Associations). Depending on qualifications, a supplement may be negotiated.

Non-Danish and Danish applicants may be eligible for tax reductions, if they hold a PhD degree and have not lived in Denmark in the last 10 years.

The position is covered by the "Memorandum on Job Structure for Academic Staff at the Universities" from June 28, 2013.

Questions

For further information, please contact Professor Ruth Loos at Email. For questions regarding the recruitment procedure, please contact SUND HR CBMR at SUND-HR-CBMR@sund.ku.dk.

International applicants may find these links useful www.ism.ku.dk (International Staff Mobility) and <https://www.workindenmark.dk/> .

Application procedure

Your online application must be submitted in English by clicking 'Apply now' below. Furthermore, your application must include the following documents/attachments – all in PDF format:

1. Motivated letter of application (max. one page)
2. CV incl. education, work/research experience, language skills and other skills relevant to the position

3. A certified/signed copy of **a)** PhD certificate and **b)** Master of Science certificate. If the PhD is not completed, a written statement from the supervisor will do.

4. List of publications

Application deadline: November 14th, 23.59pm CET

We reserve the right not to consider material received after the deadline, and not to consider applications that do not live up to the abovementioned requirements.

The further process

After the expiry of the deadline for applications, the authorized recruitment manager selects applicants for assessment on the advice of the hiring committee. All applicants are then immediately notified whether their application has been passed for assessment by an unbiased assessor. Once the assessment work has been completed 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/faculty/recruitment-process/>

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

The University of Copenhagen wishes to reflect the diversity of society and welcome applications from all qualified candidates regardless of personal background.

**Assistant Professor in Precision Health and Metabolism
Novo Nordisk Foundation Center for Basic Metabolic Research
University of Copenhagen**

We are seeking a highly motivated and dynamic researcher for an Assistant Professor position. Candidates should have a strong background in genetic epidemiology, epidemiology or a related field and an interest in metabolic? precision health. This is a 4-year position with a start date of February 14, 2022, or upon agreement.

Background

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Our research

The Loos Group aims to identify the key genetic and non-genetic determinants of body weight regulation to gain insight into the deeper layers of biology that underlie obesity and metabolism. Additionally, we aim to improve prediction, prevention and treatment through implementation of precision health strategies. You can read more about the Loos Group [here](#).

Your job

The successful candidate will be responsible for **setting up a precision health cohort** to identify key predictors of metabolic responses to diet and exercise, with the goal of improving the precision of lifestyle recommendations for optimal health. This project requires experience with wearable, mobile and sensor technologies and expertise in generating and integrating multi-modal data to better understand metabolism.

The candidate will contribute to the design and launch of the cohort and will oversee data collection. Importantly, the candidate will formulate innovative research questions, perform analyses of the complex, multi-omics data, infer and validate algorithms and report on the the key findings. The candidate should have a strong computational background, ideally with experience in machine-learning and integration of multiple -omics data. Experience in nutrition and exercise science is a plus.

The assistant professor's responsibilities will primarily consist of:

- research, including publication and academic dissemination duties,
- research-based teaching,
- public outreach, and
- participation in formal pedagogical training program for assistant professors.

Profile

We are looking for highly motivated and enthusiastic researchers who, in addition to the desired expertise stated above, have the following skills and qualifications:

- a PhD in genetic epidemiology, epidemiology, computational biology, machine learning or a related field.
- a strong computational background and expertise in dealing with large (-omics) data sets.
- extensive experience with analysing data, interpreting results, and concisely summarizing key messages.
- an active interest in obesity, metabolism, nutrition, physical activity, lifestyle and precision health.
- an interest in conceiving and designing new projects, in line with the group's research focus.
- a proven track record showing scientific productivity in peer-reviewed journals.
- proficient communication skills and ability to work in multi-disciplinary teams.
- experience in supervising other researchers at different levels.
- excellent English communication skills, both written and spoken.
- a team player.
- experience in supervising and managing research staff.

Place of employment

The place of employment is at the Novo Nordisk Foundation Center for Basic Metabolic Research, Maersk Tower, Panum Institute, University of Copenhagen. We offer a creative and stimulating work environment in a dynamic, international research setting.

Terms of employment

The employment of this position is a full time and fixed-term position for 4 years (can be extended). Starting date is February 14, 2022.

Salary, pension and terms of employment will be in accordance with the agreement between the Ministry of Finance and AC (Danish Confederation of Professional Associations). Depending on qualifications, a supplement may be negotiated.

Non-Danish and Danish applicants may be eligible for tax reductions, if they hold a PhD degree and have not lived in Denmark in the last 10 years.

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