



Call for Marie S. Curie Fellowship applications

The Novo Nordisk Foundation Center for Basic Metabolic Research (CBMR) at the Faculty of Health and Medical Sciences, University of Copenhagen, hereby invites **postdoctoral researchers who have a background in metabolic research**, who would like to move to Copenhagen for 2 years and intend to apply for a Marie Curie Fellowship (MSCA-IF) in 2017 to send us their request to name CBMR as host institution in their application.

If interested, please send:

A single pdf to CBMR-jobs@sund.ku.dk no later than April 24 2017 containing the following: (please title the email "MSCA-IF")

- **A research proposal** Max 2 pages
- **CV and Publication List** Max 4 pages
- **Documentation that the applicant is eligible for a Marie S. Curie fellowship**
PhD certificate or statement that a PhD degree will be obtained before September 2017

Applicants with competitive proposals will be invited to Copenhagen in the beginning of June to participate in a Marie Curie writing workshop (June 8-9) and to outline the research project in dialogue with the potential future PI/colleagues.

Back home, the applicant will finish writing the application for the MSCA fellowship, backed up by continuous support from the CBMR fundraising team and through discussions with the potential host lab and PI.

At Novo Nordisk Foundation Center for Basic Metabolic Research

we conduct research into basic metabolic functions related to development of insulin resistance, type 2 diabetes and obesity. CBMR contains five biomedical research programmes:

- **Metabolic Genetics** headed by Prof. Torben Hansen
- **Integrative Physiology** headed by Prof. Juleen R. Zierath
- **Metabolic Receptology** headed by Prof. Thue W. Schwartz
- **Translational Metabolic Physiology** headed by Prof. Jens J. Holst
- **Metabolic Imaging and Liver Metabolism** headed by Prof. Gerald. I. Shulman

For more information on the research programmes and the PIs' research interests, please see: <http://metabol.ku.dk/research/> and the examples below:



Examples of PIs and research fields at the Center:

- **Manimozhiyan Arumugam**
Systems biology of human microbiota
- **Niels Grarup**
Genomics of metabolic health
- **Oluf B. Pedersen**
The human gut microbiome as a drug resource
- **Thorkild I A Sørensen**
Metabolic and genetic epidemiology
- **Torben Hansen**
Studies of genetics of metabolism in population isolates // The role of the gut-liver axis in development of NAFLD
- **Tuomas Kilpeläinen**
Gene-lifestyle interplay in metabolic health
- **Tune H. Pers**
Understanding metabolic traits using large-scale genetics and single-cell transcriptomics
- **Birgitte Holst**
Integrin receptor as novel mediator of insulin sensitivity
- **Camilla C. Scheele**
Disentangling human brown and beige fat at a single cell level
- **Thue W. Schwartz**
Metabolites and metabolite receptors as signaling drivers of metabolic inflammation in obesity and diabetes
- **Zach Gerhart-Hines**
Control of Brown Adipose Metabolism by the Circadian Clock
- **Thomas Frimurer**
Metabolic Pharmacology: Computational Receptology and Chemical Design
- **Signe Torekov**
Potential synergistic effects of GLP-1 analogues and physical exercise on immunometabolic health
- **Jens J. Holst**
Gastrointestinal and pancreatic hormones in metabolic regulation
- **Filip Knop**
The integrative role of the gut in human glucose metabolism and appetite regulation
- **Jonas Thue Treebak**
Role of NAD metabolism in skeletal muscle for metabolic health
- **Romain Barrès**
Environmental epigenetics in metabolic diseases
- **Brice Emanuelli**
Inter and intra-cellular communications in metabolic diseases
- **Matthew Paul Gillum**
Liver-derived humoral factors that regulate appetite

An uniquely diverse training environment

Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen, Denmark, comprises 180 researchers and is an active part of a large, interactive metabolic research environment at the Faculty of Health and Medical Sciences and the greater Copenhagen area, which includes academia, hospitals and industry.

Headed by Prof. Ken Arnold, the Center's Director of Science Communication, the Center also designs and undertakes experimental public engagement with medical metabolic science through its Section for Science Communication (<http://metabol.ku.dk/research/section-for-science-communication/>).

As part of the Strategic Platform for Lifestyle, Obesity and Metabolic Research (LOM) at the University of Copenhagen (<http://www.lom.ku.dk/>), the Center's researchers have access to multidisciplinary research collaborations on how lifestyle choices are formed and how these affects human metabolic health.

Please note that:

A MSCA fellowship provides the candidate with a competitive European salary. We are offering lab space and consumables for the successful applicant, but we can not offer a postdoctoral position in the case the MSCA Fellowship application is not granted.