

Postdoctoral Fellowship in Diabetes Research: Metabolism at the Single Cell Level

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POSTDOCTORAL FELLOWSHIP IN DIABETES RESEARCH: METABOLISM AT THE SINGLE CELL LEVEL

The Unit of Molecular Metabolism at Lund University offers a 2-year postdoctoral fellowship at the Lund University Diabetes Centre in Malmö, Sweden. The centre hosts outstanding research on many aspects of diabetes. Genetics of Type 2 Diabetes, islet biology, metabolomics and bioinformatics are high profile areas. The diabetes centre currently comprises more than 400 people. In 2017, the centre published more than 300 papers in peer-reviewed journals. Below are three recent papers from our group:

doi: 10.1016/j.molmet.2017.05.005

doi: 10.1016/j.cmet.2016.04.009

doi: 10.1042/BJ20150616

Centre web site:

<http://www.ludc.med.lu.se/>

Web sites:

<http://portal.research.lu.se/portal/> [enter Mulder or Unit of Molecular Metabolism]

<http://www.ludc.med.lu.se/research-units/molecular-metabolism/>

Control of beta-cell function and insulin secretion will be addressed in the available project. Particular emphasis will be placed on regulation of metabolic processes at the single cell level. Genetically encoded reporters, probes and dyes will be introduced into clonal human and rodent beta-cells, as well as into primary cells from rodents and humans. An array of methods for functional evaluation of beta-cells is available. This includes genomic and metabolomic analyses, and a set of metabolic assays.

The position requires a Ph.D. in a relevant area obtained no more than three years before start of the fellowship. Expertise in imaging, islet biology and diabetes research is necessary. Experience from confocal and STORM microscopy, as well as animal physiology is a major advantage.

The preferred candidate will be self-motivated and have a strong interest in metabolic research. The candidate should be able to work both independently and in a team, interacting with other disciplines within the Lund University Diabetes Centre.

Please send (i) a cover letter (not to exceed 1 page) describing your research interests and motivating your interest in the position. Provide (ii) contact information for at least two references, (iii) a CV, including the exact date when the PhD degree was obtained, and (iv) a publication list. All documents should be combined into a single pdf-file. For information or electronic submission of your application contact Professor Hindrik Mulder.

Deadline for application: April 20, 2018

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Attachment

