Announcement of post-doc scholarship at the Department of Clinical Science, Malmö.

Project name
Understanding mutations of mitochondrial DNA and its role in hereditary mitochondrial diabetes by using patient specific pluripotent stem cells differentiated to insulin producing beta-like cells.

The scholarship holder will study mitochondrial function in beta-like cells differentiated from human induced pluripotent stem cells harboring different levels of specific mutations in mitochondrial DNA.

The scholarship holder will utilize the following techniques to do so:
Cell culturing, differentiation protocols, high resolution microscopy with fluorescent probes, studies on oxygen consumption rate (Seahorse XF Analyzer), genome editing (CRISPR/Cas9) and hormone secretion assays by ELISA.

Reference number: V 2021/1185

Scholarship period: The scholarship covers a period of 6 months with possibility of prolongation up to a maximum of 24 months in total.

Preliminary start date: 2020-08-01

Supervisor/contact person: Hindrik Mulder and Malin Fex
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Qualifications:
- To be eligible for a post-doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field. The PhD degree must not be from Lund University. The PhD degree must not be older than three years. The applicant must not have been employed at Lund University in the past two years.
- The scholarship holder should have excellent knowledge in cell and mitochondrial function, and have a background in physiology and/or cell and molecular biology. They should have experience in live cell imaging techniques and cell culture. The scholarship holder should be a team-player and good social skills.

Written application, including reference number, is to be sent via e-mail to the supervisor and must include the following:
  - CV
  - Personal letter stating the reasons why the study suits the applicant (maximum one page)
  - List of publications
  - References (2)

Application deadline: 2021-05-21

Information regarding scholarships at Lund University
  - The scholarship sum is paid out quarterly
  - A scholarship awarded will be reviewed every six months
  - Scholarships are tax-exempt
  - Scholarships do not give rise to sickness benefits, compensation from the Social Insurance Office or retirement pension.
  - A scholarship holder cannot be hired after the scholarship period due to tax reasons.