Postdoctoral Scientist

We offer a full-time position at the ULB Center for Diabetes Research in Brussels.
Molecular Mechanisms of Polygenic and Monogenic Diabetes’s research Group

Job description

The Molecular Mechanisms of Polygenic and Monogenic Diabetes’s research Group led by Dr Mariana Igoillo-Estève is seeking highly motivated post-doctoral researcher to study the pathophysiological mechanisms of monogenic and polygenic forms of diabetes associated with tRNA epitranscriptome dysregulations and endoplasmic reticulum stress. The successful applicant will join the ULB Center for Diabetes Research, characterised by a remarkable track record in research excellence.

Project description:

The project will use in vitro and in vivo disease models including gene silencing in human β-cells, transgenic mice, iPSC-derived β-cells from control individuals, monogenic diabetes patients and CRISPR/Cas 9-mediated isogenic controls, as well as humanized mouse models to study the molecular mechanisms underlying pancreatic β-cell demise caused by endoplasmic reticulum stress and altered tRNA modification and fragmentation induced by genetic and environmental factors.

The ULB Center for Diabetes Research offers an excellent environment for innovative science.

We believe in a strong scientific commitment and reproducible findings to contribute to translate fundamental science to the clinic by collaborative efforts between scientists, physicians and the industry.

Profile

- PhD in cell biology, molecular biology, and/or metabolism
- Experience in cell culture, molecular biology/genome editing (e.g. qPCR, CRISPR/Cas9), immunohistochemical and biochemical techniques is essential
- Experience with iPSC culture and differentiation will be advantageous
- Experience in RNA biology will be advantageous
- Experience in mouse handling and experimentation will be advantageous
The candidate should have a very good track record of research and be capable to work independently and in a team framework

- Excellent organizational and time management skills are required
- Very good skills in spoken and written English
- High motivation, flexibility as well as innovate and creative thinking are a must

Interested?

Please send your letter of intent, curriculum vitae (including publication list), and the name of 2-3 reference persons (with email address and telephone number) to migoillo@ulb.ac.be

Mariana Igoillo Esteve, PhD
Head, Molecular Mechanisms of Polygenic and Monogenic Diabetes’s research Group
ULB Center for Diabetes Research
Universite libre de Bruxelles (ULB)
808 Route de Lennik
B-1070 Brussels
Belgium

Tel: +32 2 555 6138
Fax: +32 2 555 6239

Salary: Approximately 2300 € after tax.
Duration: 1 year full time in the first instance.
Starting date: April/May 2019

Deadline for the submission of applications: Positions open until filled