



The Luxembourg Centre for Systems Biomedicine (LCSB) seeks an:

Postdoctoral researcher (m/f)

3 years contract

Start date: June 2018 (or later)

Area: Human brain-on-a-Chip model for *in vitro* disease modeling

The Developmental and Cellular Biology Group (led by Prof. Jens Schwamborn) at the Luxembourg Centre for Systems Biomedicine utilizes stem cells for modeling and experimental treatment of neurodegenerative disease. Projects in the lab are at the interface of systems biology and bio-medical research. In particular we aim on developing novel, complex *in vitro* models that are specific for the human brain. Our main disease model is Parkinson's disease.

In this particular project we are looking for a postdoctoral researcher who is interested in further developing human patient specific brain organoids for *in vitro* disease modeling. This project is part of an international consortium with the aim to integrate brain organoids in multifunctional microfluidics devices (chips) with the ability to monitor disease processes and with applications in drug development.

Successful applicants should have a strong interest in Cell Biology and Neurobiology, especially experience in stem cell biology would be a plus. We are looking for highly motivated people who share our passion for research, are interested in acquiring new skills and wish to be part of an international team.

Application

Applications (in English) should contain the following documents:

- A detailed curriculum vitae
- Cover letter
- Description of past research experience and future interests
- Name and addresses of referees

Contact

Prof. Dr. Jens C. Schwamborn

Université du Luxembourg; LCSB - Luxembourg Centre for Systems Biomedicine

Developmental and Cellular Biology

6, avenue du Swing, L-4367 Belvaux (Belval), Luxembourg

T. +352 / 4666445536

E. jens.schwamborn@uni.lu