

## PhD Student Full-time position

### TELEVIE Funded project

### Liver inflammation and cancer in obesity

### at the Signal Transduction & Metabolism Laboratory

## Job description

The Signal Transduction and Metabolism Laboratory ([www.stmlaboratory.com](http://www.stmlaboratory.com)) led by Dr Esteban Gurzov is seeking highly motivated PhD students to explore the pathophysiological mechanisms contributing to the development of obesity and liver dysfunction. The successful applicant will join the Laboratoire de Gastroentérologie Expérimental et Endotoxins/ULB Faculty of Medicine, characterised by an impressive track record in research excellence.

### Project description:

The project will take advantage of human stem cells, hepatic cancer cell models, mouse models, pharmacological approaches and human liver specimens to determine the molecular mechanisms by which obesity drives the development of hepatocellular carcinoma and explore novel approaches for combating the disease.

The Signal Transduction & Metabolism Laboratory provides an international and world leading environment for creative science. We foster research excellence and pursue discoveries in metabolic diseases, with experts working together in collaborative teams. Come and join us!

- We believe in a strong scientific commitment and reproducible findings to contribute to the way of thinking in metabolic research.
- Our vision is to translate fundamental science to the clinic by a collaborative effort between scientists, physicians and the industry.

## Profile

- ✓ Experience in cell culture, molecular biology/genome editing (e.g. qPCR, CRISPR/Cas9 and RNA-Seq), immunohistochemical and biochemical techniques will be advantageous
- ✓ Experience with mouse handling and experimentation will be advantageous
- ✓ Experience with mouse models of obesity/cancer/liver dysfunction will be advantageous
- ✓ Experience with stem cell culture and/or mass spectrometry will be advantageous
- ✓ The candidate should be capable of both work independently and collaboratively in a team
- ✓ Excellent organizational and time management skills
- ✓ Excellent skills in spoken and written English
- ✓ High motivation, flexibility as well as innovate and creative thinking are a must

## Interested ?

Applications should be sent directly to [esteban.gurzov@ulb.ac.be](mailto:esteban.gurzov@ulb.ac.be)

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Starting date: January 2022.

Deadline for the submission of applications: Positions open until filled