

## PhD position

Rudolf-Schönheimer Institute of Biochemistry

Faculty of Medicine

Leipzig University



We are seeking a PhD student to investigate the role of Adhesion GPCRs in adipocyte function.

Adhesion GPCRs are the second largest group of cell surface receptors with their activation and signal transduction mechanism recently identified. They have been associated with several metabolic functions yet their specific role in these processes remains enigmatic. As several Adhesion GPCRs are differentially regulated during adipocyte differentiation and between adipose tissue from lean and obese individuals we aim to study their contribution to these processes.

This PhD project requires experience in cell culture as well as basic molecular biology techniques (DNA and RNA extraction, PCR, reverse Transcription, qPCR). The successful candidate will isolate and work with primary cells, perform signal transduction assays in primary cells and cell lines and investigate adipocyte function by lipolysis, ELISA, and metabolic analysis using the Seahorse technology.

Applicant must hold a Master's or equivalent degree obtained in life sciences. Students are expected to work across disciplines and in cooperation with others. A capacity and willingness to integrate and collaborate is essential.

The Program will start with an initial 6 month stipend which can be prolonged up to 3 years providing a salary of 65 % of a German salary scale TVL-13. The position can start January 2019 but a certain degree of flexibility is possible.

To apply candidates should send a letter of motivation, Curriculum Vitae, and copies of education certificates as a single pdf-file to Doreen Thor ([doreen.thor@medizin.uni-leipzig.de](mailto:doreen.thor@medizin.uni-leipzig.de)) by November 15<sup>th</sup>, 2018.

## Leipzig University

Founded in 1409, Leipzig University is the second oldest university in Germany. It is situated in the Free State of Saxony in the south-east of Germany. Famous students of the University were Goethe, Leibniz, Nietzsche, and Wagner. Today, almost 30,000 students work in 14 different faculties.

The advertised positions belong to the Faculty of Medicine. Together with the University Hospital, it belongs to the biggest medical institutions in Saxony.



## Leipzig



Leipzig is the largest city in the Free State of Saxony. It is known for its rich cultural life – from classic to alternative. Famous around the world are the Gewandhaus Orchestra and the St. Thomas Choir. In the Leipzig Cotton Mill modern art galleries, studios, and restaurants can be found. The Museum of Fine Arts displays paintings, sculptures and, graphical works from the middle age to the modern. Among those work from the Leipzig artist Neo Rauch is shown.

In 2013, Leipzig was ranked the most livable city in Germany by the market research institute GfK. Leipzig can be easily reached by plane via Leipzig / Halle International airport with daily connections to Frankfurt, London, Munich, Stuttgart, and Zürich. The city is well connected by train to Dresden, Berlin, Frankfurt, and Munich.