

At the Martin-Luther-University Halle-Wittenberg, Faculty of Medicine, Julius-Bernstein-Institute of Physiology is, from April 1st, 2020, on 36-month temporary positions for a

**Doctoral Research Fellow (registration number: 7-015/20-D)**

**available in full time (65 %)**

The remuneration is paid depending on the assignment of tasks and fulfillment of the personal requirements up to the fee group E 13 TV-L.

**Conditions:**

- Completed studies (MSc.) in the field of life sciences or medicine
- English skills
- Ability and willingness to participate in animal experiments

**Desired knowledge and skills:**

- Knowledge in the physiology/pathophysiology of the liver and the mineralocorticoid receptor
- Knowledge in the area of signal transduction and control of gene expression
- Experiences with molecular biology and protein biochemistry methods (quantitative PCR, Western Blot, ELISA, RNA and DNA extraction methods, reporter gene assays, siRNA interference)
- Experience with cell culture techniques (including cultivation of cell lines and production of primary cultures, transmitted light and fluorescence microscopy) and the phenotyping of cell types
- Experiences with animal-experimental studies of the liver *in vivo* (measurement of portal, sinusoidal and arterial pressure) or *ex vivo* (Mulvany myography, pressure myography, histomorphometry, etc.) are desirable but not required.

**Work Tasks:**

- Participation in a DFG funded project on the importance of the mineralocorticoid receptor for the development and progression of liver cirrhosis.
- Implementation of experiments with rodents
- Collection of functional vascular parameters *in vivo* and *ex vivo*
- Histological and molecular biology studies on tissues
- Studies on signal transduction and gene expression on primary cell cultures and cell lines
- Data analysis, literature research and preparation of manuscripts

Disabled candidates with equivalent qualifications will receive preferential consideration. Women are strongly encouraged to apply.

If you have any questions please contact PD Dr. Barbara Schreier (E-Mail: [barbara.schreier@medizin.uni-halle.de](mailto:barbara.schreier@medizin.uni-halle.de), Tel.: +49-345-557-4759, Fax: +49-345-557-4019). Please send your application until the 12<sup>th</sup> of February 2020 via e-mail to [barbara.schreier@medizin.uni-halle.de](mailto:barbara.schreier@medizin.uni-halle.de) or via mail to the Martin-Luther-University of Halle-Wittenberg, Julius-Bernstein-Institute for Physiology, Magdeburger Straße 6, D-06112 Halle, Germany.

The call for tenders is subject to possible budgetary restrictions. Application fees are not refunded by the Martin-Luther-University. Application documents are only returned if a sufficiently stamped return envelope has been attached.