External job advertisement Registration number 5-8950/21-H

Martin-Luther-Universität Halle-Wittenberg, Faculty of Sciences III, Institute of Agricultural and Nutritional Sciences offers from 01.03.2022 a full-time position limited for 3 years as

Research Associate / Post-Doc (m-w-d)

an extension is possible.

Remuneration is paid up to pay group 13 TV-L, depending on the assignment of duties and fulfillment of personal requirements.

Research Profile of the Department:

The research of the Chair of Nutritional Physiology focuses on the importance of proteins/ the proteome and post-translational modifications (PTMs) of endogenous proteins in metabolism and as biomarkers of the individual metabolic phenotype and nutrition-related diseases. Various in vitro and in vivo models (including human samples) are used to address the research questions in combination with routine methods of biochemistry and molecular biology and particularly mass spectrometric analysis of proteins and their PTMs. To answer these questions, the Chair of Nutritional Physiology as unlimited access to QqQ instruments and additionally, by cooperation with the Core Facility Proteomic Mass Spectrometry of the MLU there is access to further mass spectrometers including high-resolution mass spectrometry (e.g. Orbitrap Exploris 480).

Work tasks:

- Targeted and untargetes quantitative and qualitative protein analysis in various samples matrices with focus on mass spectrometric analysis
- Establishment and validation of methods for the analysis of PTMs
- Evaluation of proteomic data sets (e.g. using MaxQuant, Perseus)
- Participitation in the planning and execution of research projects in the field of nutritional physiology, including the application of various standard methods in life sciences
- Conduct courses in the field of nutritional physiology (4 SWS)

Requirements:

We are looking for a highly motivated candidate with a PhD in life sciences (e.g. Nutritional Science, Biochemistry, Biology, Pharmacy, Food Chemistry, or comparable fields). Candidates should have the following qualifications:

- Profound knowledge in the field of mass spectrometric analysis (theory and hands-on experience in the use of mass spectrometers)
- Sound knowledge in standard methods of protein analysis (protein quantification, PAGE, ELISA, Western Blot etc.)
- Sound basics in routine methods of life sciences
- Expierence in PTM analysis is desireable
- Excellent communication skills as well as interest in collaborations with national and international partners
- Teaching experience is desireable

Opportunity to qualify will be provided.

Applications from severely disabled persons will be given preferential consideration in cases of equal suitability and ability. Women are strongly encouraged to apply.

Applicants with a degree that was not obtained at a German higher education institution must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen) to prove equivalence.

If you have any questions, please contact Prof. Dr. Andrea Henze, phone 0345 55-22 702, e-mail via the secretariat of Nutritional Science: kerstin.isaak@landw.uni-halle.de.

Please send your application, quoting the reg. no. 5-8950/21-H with the usual documents (CV, credentials (as copies), letter of motivation) by 31.12.2021 to the Martin-Luther-University Halle-Wittenberg, Faculty of Sciences III, Institute of Agricultural and Nuritional Sciences, Chair of Nutritional Physiology, Prof. Dr. Andrea Henze, Von-Danckelmann-Platz 2, 06120 Halle (Saale). An electronic application is explicitly desired to: kerstin.isaak@landw.uni-halle.de

The call for applications is subject to possible budgetary restrictions.

Applications costs will not be reimbursed by Martin-Luther-University. Applications documents will only be returned if a sufficiently stamped envelope is enclosed.