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German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE)

is a member of the Leibniz Association. The institute's mission is to conduct experimental and clinical research in the field of nutrition and health, with the aim of understanding the molecular basis of nutrition-dependent diseases, and of developing new strategies for treatment and prevention (Website: <http://www.dife.de/?lang=en>).

We invite applications for the the newly founded Junior Research Group **Neurocircuit Development and Function (NDF)** for

1 Doctoral Student (m/f/d)

Tasks

The successful candidate should be interested in aspects of neuronal circuitry underlying food intake regulation and emotional/sensory systems. The project will focus on deciphering the specific neuronal circuitry mediated by the melanocortin system to integrate internal homeostatic cues and external cues as to food availability, energy state and arousal/motivation. Understanding the complex interplay of neuronal circuits mediating aspects of homeostasis and hedonic intake are crucial for furthering our knowledge of the central signals responsible for proper food intake and overall metabolic health. The details and skills of the PhD studies will include the following:

- Establishment of novel techniques and approaches with regard to neuronal circuit function and development
- Planning and running of metabolic, developmental and behavioral studies
- Using advanced imaging techniques (Confocal microscopy,) for the visualization of brain circuitry

Skills and Requirements

- Excellent M.Sc. (or equivalent) in Neuroscience, Biology, Biochemistry, Human Nutrition
- Basic Knowledge of standard biochemical and molecular biology methods (PCR, qPCR, Western Blot, Immunohistochemistry) is a plus
- Previous experience in animal experiments is beneficial, FELASA certificate (or equivalent) if available
- High degree of motivation and ability to work in an interactive research environment
- Excellent English (spoken and in writing) and data analysis and presentation abilities (MS Office, statistics)

The advertised position is available initially for three years. The position will be paid according to the terms of the civil service collective bargaining act (TV-L 65 % of level E13).

The institute offers a vibrant and interactive research environment, state-of-the-art equipment and qualified training and enrolment in a local PhD program.

Contact

Application will be considered on an ongoing basis until the position has been filled. Please send your documents (cover letter explaining your motivation, CV, certificates and references) **as a single pdf-file** with **reference nr. 2020_W07_N** before **September 30th, 2020** via e-mail to jobs@dife.de.

For further information please do not hesitate to contact:

Dr. Rachel Lippert, Junior Research Group Leader, E-Mail: Rachel.Lippert@dife.de

By submitting your application documents, you grant us the right to collect, process, and use your personal data exclusively for the application selection process. For further information about your rights according to the data protection law, please contact the department Human Resources and Social Services (jobs@dife.de).