**PhD student position:**

The Transfaculty Research Platform Molecular and Cognitive Neuroscience at the University of Basel, Switzerland, has an opening for a PhD candidate for the research project 'Effects of polyphenols on stress-induced defects in bioenergetics' under the supervision of Prof. Dr. Anne Eckert.

The PhD student will be enrolled in the PhD program of the University of Basel.

**Key Accountabilities:**

* Investigate the effects of selected polyphenols on mitochondrial function using different in vitro stress models in human neuronal (SH-SY5Y cells) as well as intestinal (Caco-2 cells) cell lines. Bioenergetic readouts: ATP levels, oxygen consumption, reactive oxygen production.
* In light of new understanding, mental health appears to be able to impact gut wellness, and vice-versa, poor gut health has been implicated in neuropsychiatric disorders. Thus, this project aims to elucidate the potential impact of the selected compounds on gut and brain wellness.
* Present the project and results during internal meetings and at national/international meetings.

**Your profile:**

We are looking for a highly motivated, science-driven person with:

* a Pharmacist diploma, a Masters' degree in Pharmaceutical Sciences, Chemistry, Biology, or a related discipline, preferentially obtained from a leading European University.
* Good communication and English language skills.

**We offer you:**

* An exciting and responsible task in a dynamic, collaborative scientific setting.
* The opportunity to bring in your own ideas and skills
* The chance to carry out experiments in modern research laboratories with access to the latest state-of-the-art technologies.

**Application / Contact:**

The application should include a CV, authorized copies of degrees and transcripts of academic records and a letter of intention (max 2 pages), where you describe yourself, your research interest and research experience. If you are excited about the project and match the above qualifications, we look forward to receiving your application by email to:

Prof. Dr. Anne Eckert

Transfaculty Research Platform Molecular & Cognitive Neuroscience (MCN)

University of Basel

Psychiatric University Clinics Basel

Wilhelm Klein-Strasse 27

CH-4012 Basel

E-Mail: anne.eckert@upkbs.ch

https://mcn.unibas.ch/research/neurobiology

This is a "Full-time position (100%) funded for 3 years, salary according to tariffs of the Swiss National Science Foundation

Start date: **1.2.2017** or as soon as possible thereafter. Applicants who qualify for an interview will be contacted by email.