Two PhD positions in neuroscience, biochemistry and molecular pharmacology of the endocannabinoid system

We are looking for two highly motivated and talented young researchers with a good MSc degree or equivalent in the area of molecular biology, biochemistry or related. The group of Professor Jürg Gertsch (www.gertschgroup.com) at the Institute of Biochemistry and Molecular Medicine investigates the role of the endocannabinoid system for neuropsychiatric and inflammatory conditions with a strong interest in drug discovery. We use chemical biology, LC-MS/MS analytics, molecular biology and biochemical methods and behavioral mouse models. The successful candidate with a genuine interest in basic research will enter the GCB graduate school for a PhD degree in the area of specialization (neuroscience, biochemistry, molecular biology). Fluent spoken and written English are prerequisites. Although this position is open worldwide, candidates with strong academic education from Switzerland, EU and US are encouraged to apply.

1. Role of peptide endocannabinoids (pepcans) in the central and autonomous nervous system
   This project is dedicated to understanding the origin and role of novel allosteric modulators of cannabinoid receptors. A strong background in molecular biology and interest in rodent models and mouse breeding is desirable. This project is funded by the Swiss National Science Foundation (2020-2014). In this project mouse (breeding of KO mice) is essential.

2. Endocannabinoid membrane transport
   This highly competitive project is dedicated to the characterization of novel lipid membrane transport mechanisms. A strong background in molecular biology, protein chemistry and biochemistry and an interest in translational work (preclinical to clinical in collaboration with Synendos Therapeutics) is required. This project is funded by the NCCR TransCure.

The positions are available immediately for the duration of 3-4 years.

How to apply: Please send your application, which should include a motivation letter, CV and references (letters / contact information of three references) by email to: Mrs. Barbara Järmann (barbara.jaermann@ibmm.unibe.ch). Successful applicants will be invited to visit the lab and talk to Prof. Jürg Gertsch and the group members. Applications will be accepted until the vacancy is filled.