

## **PhD position in Epilepsy Research in a joint project of the Medical University of Vienna and the Medical University of Innsbruck**

We are searching for a highly motivated PhD student to join a 3 year-FWF funded research project of a collaborative research team at the Medical University of Vienna (MUW) and the Medical University of Innsbruck (MUI). The successful candidate will work for up to 18 months at the MUW (Center of Physiology and Pharmacology) in the lab of Assoc. Prof. Helmut Kubista where he/she will prepare samples of primary hippocampal cultures for transcriptome analysis to study pathways of epileptogenesis. This part of the project will be done in collaboration with CEMM (Research Center for Molecular Medicine of the Austrian Academy of Sciences, Biomedical Sequencing Facility), which will provide the raw-data and will initially accompany the candidate in bioinformatic work-up. In the second half of the project, the successful candidate will move to MUI to the lab of Prof. Christoph Schwarzer to study specifically the role of L-type calcium channels in epileptogenesis on two established animal models. This part of the thesis will involve local drug application to the CNS, video tracking, seizure detection and EEG measurements of mice.

Hence, applying candidates should have a background in genetics and bioinformatics, a keen interest in animal models of neuronal diseases and manual skills required for small animal surgery. An animal work certification (FELASA or equivalents) is also necessary, but can be obtained in the initial phase of the project. Payment will be according to FWF gross salary for doctoral candidates amounting to € 2300,30 per month. The starting date is scheduled for January 2023.

Please send your application including a letter of motivation, information regarding the desired requirements and a CV to Assoc. Prof. Helmut Kubista ([helmut.kubista@meduniwien.ac.at](mailto:helmut.kubista@meduniwien.ac.at)) or to Prof. Christoph Schwarzer ([schwarzer.christoph@i-med.ac.at](mailto:schwarzer.christoph@i-med.ac.at)).