



Master or Medical Thesis position in Stress Neurobiology Research

Department of Stress Neurobiology and Neurogenetics

— The Electrophysiology Scientific Core Unit of the Max Planck Institute of Psychiatry offers a Master / Medical Doctor Thesis position to investigate the neuronal networks involved in the regulation of stress responses using different transgenic mouse lines. The candidate will investigate the CRF / CRFR1 system in different brain structures using a combination of *in vitro* electrophysiology techniques, neuronal network imaging (Voltage-Sensitive Dye Imaging) and optogenetic stimulations.

— Applicant should have completed a Bachelor degree in biology, neurosciences, or other relevant disciplines at the University or be a medical student after completion of first medical exam (1.ÄP). The Master thesis will follow the internal rules of the Department. Knowledge about *in vitro* electrophysiology (field potential and patch-clamp recordings) and the stress system will be appreciated. Prior experience in performing *in vitro* patch-clamp recordings, preparation of acute brain slices is a plus but not strictly required. A good English level is mandatory.

— Candidate should have strong organizational skills and motivation, and will be expected to interact and collaborate with colleagues from different disciplines.

— All experimental facilities (patch-clamp, field potential, Voltage-Sensitive Dye Imaging, optogenetic...) are entirely available at the MPI of Psychiatry.

Candidates may contact Dr. Julien Dine (dine@psych.mpg.de) or Dr. Matthias Eder (eder@psych.mpg.de) or Dr. Carsten Wotjak (wotjak@psych.mpg.de) for more detailed information. Applications including a letter of motivation, CV, and reference letter (if applicable) should be addressed to Dr. Julien Dine by Email: dine@psych.mpg.de