The Max Planck Institute of Neurobiology in Martinsried near Munich conducts basic research in the field of development, function and diseases of the nervous system. The institute is part of the Martinsried Campus of the Max Planck Society.

The research group Tools for Bio-Imaging at the Max Planck Institute of Neurobiology is looking to hire two Master students with an interest in protein engineering, CRISPR technology, molecular biology, and, more generally, in tool development and neuroscience.

Master students (m/f/div) for directed evolution of proteins

One student will employ a new method for directed protein evolution in mammalian cells, which is based on CRISPR/Cas genome editing enzyme (Erdogan et al., 2020). It will be used to optimize response properties of a red emitting fluorescent biosensor.

A second Master student position will involve engineering a light-controlled genetically encoded photosensitizer protein that produces toxic oxygen radicals upon illumination. This work will be predominantly performed using microbial expression systems in combination with our custom-built imaging and screening platform (Fabritius et al., 2018).

Master student positions are limited to a duration of 6 months.

The Max Planck Society strives for gender equity and diversity. We welcome applications of any background. The Max Planck Society is committed to employing more severely disabled people. Applications from severely disabled persons are explicitly encouraged.

If interested please direct your inquiries and apply with a succinct letter of motivation, a CV and copies of your university certificates and degrees to Oliver Griesbeck (griesbeck@neuro.mpg.de).

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