



Open PhD position at the Roselli Lab

Dept. of Neurology-Ulm University

A graduate student position is available at Systems Neurology Laboratory, led by Francesco Roselli, at the Department of Neurology-Ulm University.

The position is funded by the German Science Foundation (DFG) for 3 years (with potential for renewal) at the 65%E13 salary scale (DFG rates). The project is developed in

cooperation with the laboratory of prof. Daniel Zytnicki in Paris, under the prestigious DFG-ANR joint funding scheme. As such, the Zytnicki lab is also recruiting a phd student.

Candidates should be interested in neurobiology, synaptic biochemistry and neurodegeneration. The project **“Restoration of excitation/inhibition balance to modulate motoneuron degeneration in ALS”** and deals with synaptic mechanisms leading to excess or insufficient excitation as the factor driving motoneuron vulnerability in ALS. We will exploit multiple ALS mouse models, human spinal cord samples, advanced viral vectors, chemogenetics, nanobodies, spinal cord surgery. The Zytnicki lab will contribute the expertise on in vivo motoneuron/spinal cord electrophysiology.

Previous experience in neurodegeneration and/or spinal cord is a plus. The position is open to applicants with master degree in biology, medicine, veterinary medicine, chemistry with a final grade >2.0 (normalized to the German scoring system). Fluency in English is a prerequisite. Applicant may also express their interest to join the Zytnicki lab in Paris.



The Roselli lab, currently part of the German Center for Neurodegenerative Diseases (DZNE)-Ulm and of the Department of Neurology-Ulm University, involves about 20 members, from post-doc to master student level, from all over the world, involved in projects on neurodegeneration, traumatic brain injury, gene therapy, basic neurobiology. The Roselli lab has received funding from the German Science Foundation (multiple projects currently funded), the ERANET initiative, the

Thierry Latran Foundation, the Radala/Frick Foundation and several industrial partners. In the last few years the Roselli lab has published papers in Journal of Experimental Medicine, Life Science Alliance, EMBO journal, Autophagy, Elife, and several others. More information on the Roselli lab activities and publications can be found on the lab website: <https://francescoroselli.wixsite.com/rosellilab>

Interested candidates are welcome to send in their CV and by email to francesco.roselli@uni-ulm.de