PhD position in the Schneggenburger lab / Insula-amygdala networks in fear learning

Our lab investigates the synaptic- and circuit mechanisms of fear learning in mice. We want to understand how plasticity that underlies associative learning transforms an initially innocuous auditory representation into a cue for fear memory recall. For this, we study how posterior insula - amygdala networks process auditory- and aversive sensory information during fear learning, and how aversive events induce plasticity at specific synaptic connections in these circuits.

In a project funded by the SNSF, we are searching for a PhD student. The ideal candidate will have a Master's degree in Biology, Medicine, Physics or Engineering. Prior expertise in techniques like electrophysiology, optogenetics and mouse behavior would be advantageous. He/she should be self-motivated and keen on learning and developing novel techniques, as well as on working in a team. The PhD candidate will enrol in the EPFL PhD program Neuroscience (next application deadline, November 1st 2021; see https://www.epfl.ch/education/phd/edne-neuroscience/). For more information on this PhD position and project, please contact Prof. Ralf Schneggenburger (ralf.schneggenburger@epfl.ch).

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