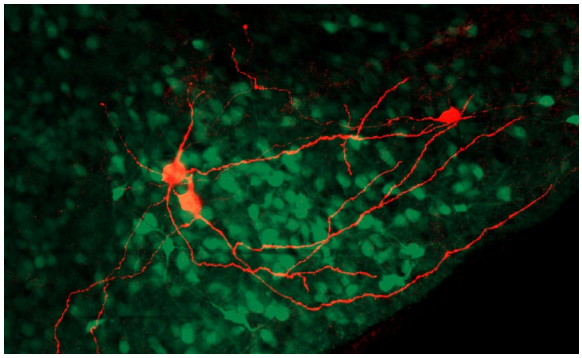
post-doc positions in the Laboratory of Synaptic Mechanisms / Projects on fear learning



The Schneggenburger lab investigates the synaptic- and circuit mechanisms of fear learning in mice, with a focus on how auditory stimuli acquire negative emotional valence, and ultimately instruct defensive behaviors. For this, we use state-of-the art *in-vivo* optogenetic methods, *in-vivo* electrophysiology, *in-vivo* Ca^{2+} imaging, as well as anatomical- and functional mapping of synaptic connections (patch-clamp).

Our lab has openings for 2 post-doc positions. In these projects, we investigate the function of the tail striatum, and of specific amygdala circuits in the formation, and retrieval of an auditory-cued fear memory. The ideal candidates will have a degree in Biology, Medicine, Physics, Engineering or similar, and have conducted highly successful PhD studies. Expertise in techniques including *in-vivo* electrophysiology, *in-vivo* optogenetics, mouse behavior and computational data analysis is advantageous. You should be self-motivated and keen on learning and developing novel techniques, as well as on working in a team. For more information, please contact Ralf Schneggenburger (ralf. schneggenburger@epfl.ch).

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