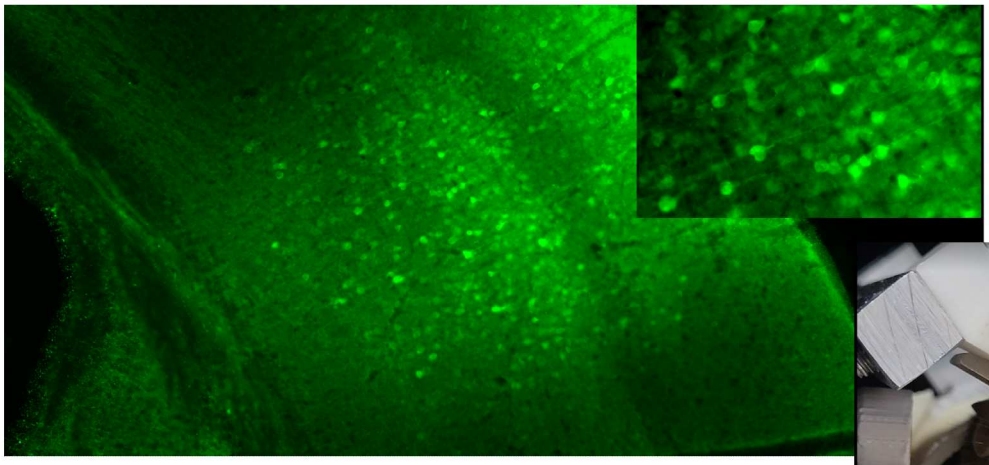
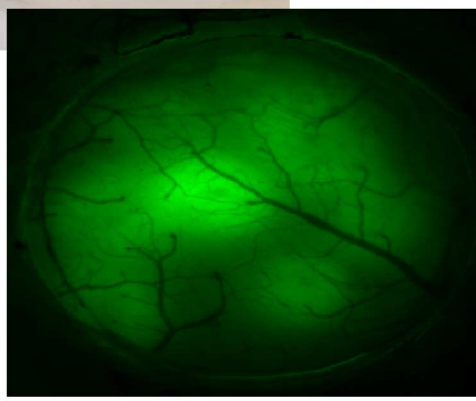
Wanted: MSc Intern - Optical neuroimaging





The Computational Neuroscience Lab at Donders Centre for Neuroscience is looking for a biologist to reinforce their laboratory work.

THE PROJECT - We investigate how the brain represents stimuli and expectations, by playing sounds and recording neural activity in the auditory cortex of mice. In this project, we genetically modify neurons to become fluorescent when they are active, and then we combine meso- and microscale imaging methods (widefield and two-photon microscopy) to analyze how specific neurons across brain areas work together to form predictions about the external world. The project is showing exciting results, and we want to repeat the experiment for more animals. We have an excellent multidisciplinary team for the analysis work, but miss a biologist for the required hands-on work.

THE INTERN - Biology MSc intern (6-9 months, from spring 2024). You will be trained to handle the animals and run the data acquisition autonomously (two-photon microscope, various experimental paradigms). This requires an animal experimentation license (Art.9 certification, can be obtained by following RU's LAS course, 3 ECTS). Some affinity with coding (MATLAB) is a pre. This internship will form an excellent preparation for a PhD position in any of the top-tier labs that use these or related techniques.

INTERESTED? Contact me for details!

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