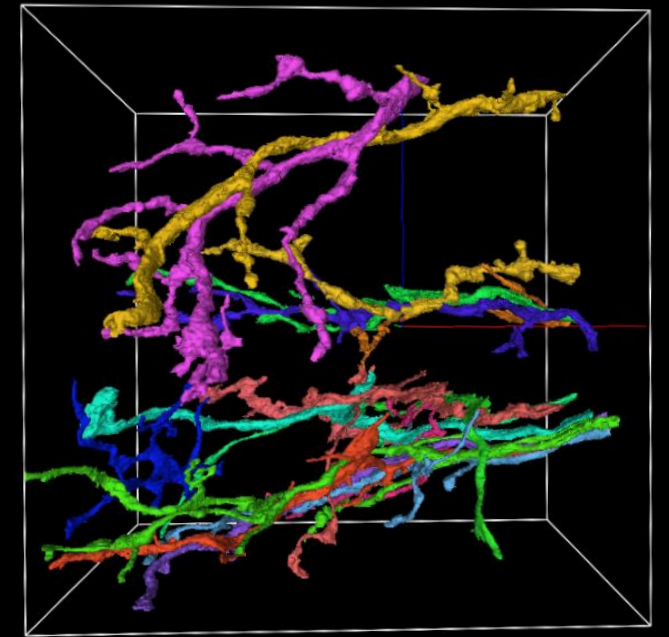
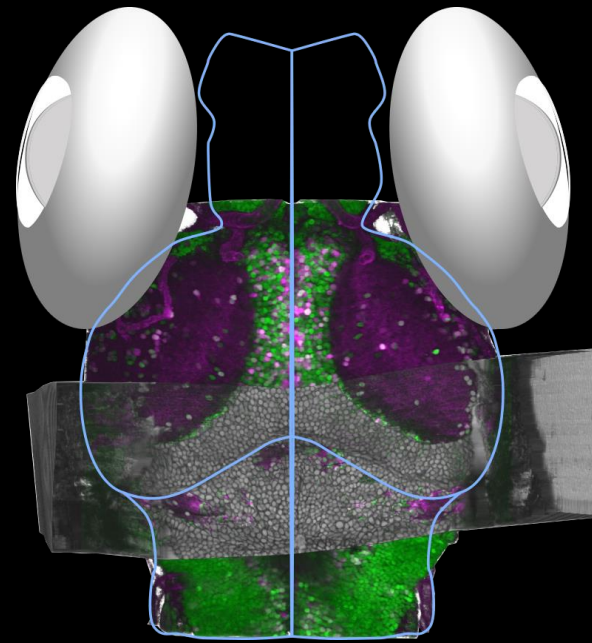


Virtual internship program in zebrafish functional connectomics

Dates: From January 2023

This research project is a collaboration between the Engert and Lichtman labs at Harvard. Our goal is to reconstruct the neuronal morphology of neurons whose role is to extract motion direction.



What is the structure-function relationship of brain networks? Over the past year we have collected electron microscopy images of a zebrafish larva whose brain activity had been previously recorded. This exceptional dataset will enable us to understand how the brain makes decision related to its sensory environment and how this process is synaptically encoded. You will be using an online platform to reconstruct the morphology of zebrafish neurons from high-resolution electron microscopy images. You will be part of a larger student group and a mentor will help you gain expertise in reading electron microscopy images (Jonathan Boulanger-Weill).

No prior experience in research or programming is necessary. We assume zero knowledge and will teach you everything you need. All we ask from you is to bring attention to details and enthusiasm!

Please write to Jonathan Boulanger-Weill at boulangerweill@fas.harvard.edu with a couple sentences introducing yourself, why you are interested in the internship and a couple times when you are available to meet.