



Neural circuits for the control of movements in *Drosophila* larvae

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How do animals move to meet their needs? We explore the underlying neural mechanisms using a combination of approaches that include imaging, electrophysiology, and connectomics in a range of model organisms. In this talk, I'll discuss two projects: in the first, I will show how the speed of locomotion in the fruit fly larva is controlled by specific GABAergic interneurons, which coordinate synchronous muscle contractions along the length of its body. In the second, I will briefly discuss a deep-learning tool that we developed that decodes animal behavior quickly and accurately from pose estimations, using zebrafish larvae and mice as model organisms.

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LIMES Institute, Ground Floor Seminar Room



If you would like to meet with the speaker, please contact:

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