PhD position in Developmental Neurobiology for Autumn 2021

Institut de Biologie de l'École Normale Supérieure (IBENS), Paris, France

Mechanisms controlling astrocyte branch morphogenesis in the visual system of Drosophila

Team: “Visual Circuit Assembly”
Group leader: Iris Salecker
Funding: 3 years
Anticipated starting date: 10/2021

We welcome applications from highly motivated candidates, interested in the topic of Developmental Neurobiology, to join the team of Iris Salecker as a PhD student at the Institut de Biologie de l’École Normale Supérieure (IBENS). The position will be funded for 3 years. The Biology Department is part of the PSL University grouping and located in the Quartier Latin in the center of Paris. The student will be enrolled with the Ecole Doctorale Complexité du Vivant (EDCdV).

Research in our team focuses on the cellular and molecular mechanisms underlying visual circuit assembly in Drosophila from a neuronal and glial perspective. The aim of this PhD project is to investigate the function of a novel candidate gene mediating astrocyte branch morphogenesis. The project will provide training in advanced molecular biology and genetics approaches, including Crispr/Cas9 technologies, as well as microdissections, immunolabeling and imaging using laser confocal and electron microscopy.

The student will join our newly established, interactive team in Paris. We are part of the dynamic Developmental Biology and Neuroscience communities at the IBENS and the Drosoph'île de France” (DIF) research community.

For further information about the PhD project and research in our lab, please visit our IBENS and personal lab websites: https://www.ibens.ens.fr/?rubrique94&lang=en and https://saleckerlab.org/

To apply: Please send a letter of motivation and a detailed CV with contact information of two references to Iris Salecker (iris.salecker@bio.ens.psl.eu).

Application deadline: 31/07/2021 (applications will be considered as they arrive until the position is filled)

Host laboratory:
Iris Salecker (Professeure ENS)
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