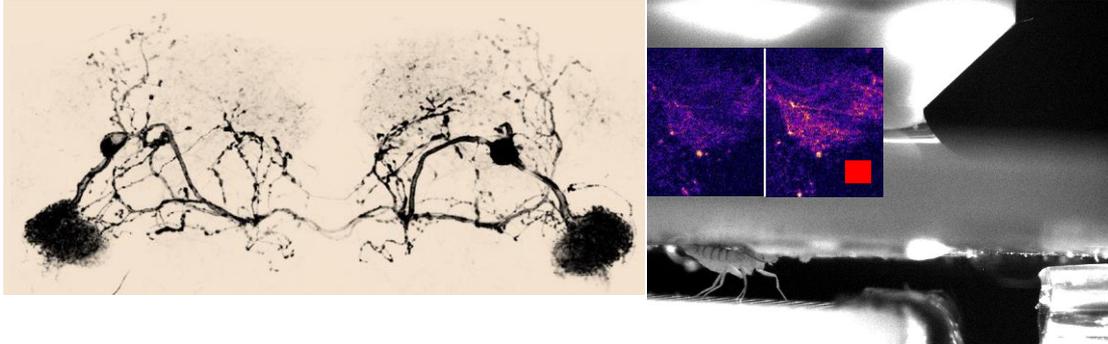


- **1-YEAR Engineer/research assistant position** -

**NEURAL BASIS OF LEARNING & MEMORY**



We are seeking for a motivated neuroscientist to investigate the cellular basis of learning and memory and more particularly how value is encoded in the fly brain and how it influences value-based decisions. This project mostly involves using powerful genetic tools and physiological (*in vivo* calcium imaging with a 2-photon microscope) and some behavioural experiments in the fruit fly *Drosophila* as part of a scientific program funded by the Bettencourt Schueller Foundation.

Candidates should hold a Master degree in neuroscience and demonstrate expertise/knowledge in the field of *in vivo* physiology plus will be an expertise in programming (Python, R or MATLAB) for data analysis of *in vivo* physiology experiments. Candidates must be curious, creative and able to work both independently and within a team.

**The engineer/research assistant will be part of the Perisse lab based in the Department of Neuroscience at the Institute of Functional Genomics at the University of Montpellier in the south of France.** This multidisciplinary research Institute offers a dynamic and international environment with multiple opportunities for collaborations, seminars and workshops <https://www.igf.cnrs.fr/index.php/en/h-teams-en/ht-perisse-en>.

The lab uses a multi-level approach combining the powerful genetic toolkit available in *Drosophila* with molecular biology, optogenetic, behaviour and *in vivo* 2-photon calcium imaging techniques in behaving flies to elucidate the neural mechanisms underlying value learning and value-based decisions.

This is a full-time, fixed-term position (**1<sup>st</sup> of October 2021 – 30<sup>th</sup> of September 2022**) and could be extended for 3-years of PhD.

A CV and 1-2 referee contact information should be sent to Dr Emmanuel Perisse (emmanuel.perisse@igf.cnrs.fr) before the 16<sup>th</sup> of August 2021. Pre-selected candidates will be notified by email on the 17<sup>th</sup> of August and interviews will be done over Zoom Thursday 19<sup>th</sup> and Friday 20<sup>th</sup> of August.