



Postdoctoral Position in Microglia-Synapse interactions at Ecole Normale Supérieure, Paris France

We are seeking postdoctoral scientists for an ERC-Synergy funded project studying “Microglia control of physiological brain states” at the Institute of Biology of the Ecole Normale Supérieure, Paris France. Microglial cells dynamically survey the brain parenchyma. In the healthy brain, microglia have active housekeeping functions and are now acknowledged as genuine regulators of neuronal functions. The project will study the bidirectional microglia-neuron interaction with a focus on synapses. The post-doc will use and develop the most up-to-date imaging approaches (two-photon, light-sheet, super-resolution and single molecule tracking etc) combined with high-standard cell-biology and in-vivo approaches to monitor the dynamic and reciprocal functional interactions between synapses and microglia.

The Triller lab, within the Ecole Normale Supérieure provides a stimulating and scientifically rigorous environment for scientific growth and fostering the independent careers of postdoctoral trainees.

The Institute of Biology of ENS (Ibens) is a leading biology institute in Europe that gathers world-class researchers from fields including Genetics & Genomics, Cell & Developmental biology, Evolution, and Neuroscience. It is located in the historical center of Paris and offers a highly stimulating and dynamic environment, close to several other top research institutions (Institut Curie, Collège de France, ESPCI,...)

The work will be done in tight collaboration with Nils Brose (Max Planck Institute, Göttingen), Thomas Oertner (University Medical Center, Hamburg) and Anne Schaefer (Icahn School of Medicine at Mount Sinai, New York).

Requirements:

- PhD or MD/PhD with a background in cell biology, immunology, neuroscience or biophysics.
- Significant technical expertise in imaging and basic biophysics.
- Programming skills are welcome.
- Excellent organizational skills, self-motivation, and creativity.
- Excellent verbal and written communication skills in English

Please send a cover letter explaining your relevant work experience and interests, a CV, and the contact information with three references to Dr Triller antoine.triller@ens.psl.eu and Dr Bessis alain.bessis@bio.ens.psl.eu.