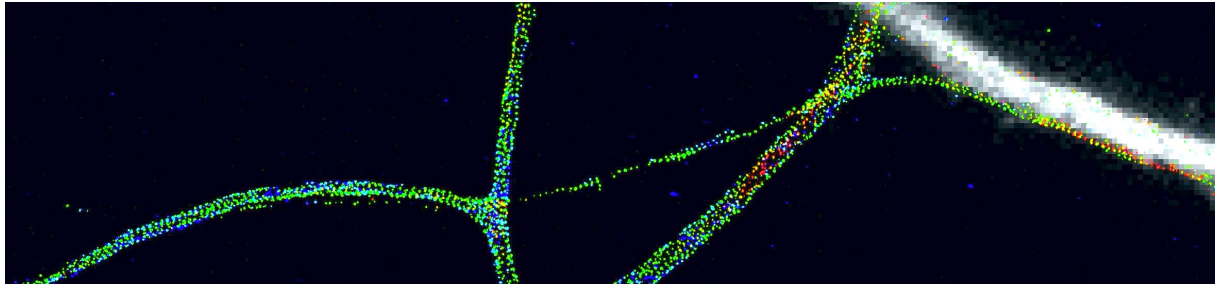


ANR-funded post-doctoral position in the NeuroCyto lab (C. Leterrier) at INP, Marseille



The NeuroCyto lab is looking to hire a postdoctoral fellow for an exciting project bridging the nanoscale architecture of axons and their cellular functioning!

About the position and project

This postdoctoral position is funded for two years, with the idea of looking for fellowships after these first years. The position is available from January 1st, 2022. It is supported by an Agence Nationale de la Recherche (ANR 2021-2024) grant focusing on the functions and dysfunctions of the periodic actin/spectrin scaffold found along axons. The project will use cell biology approaches on neuronal cultures and advanced microscopy techniques (live-cell imaging, super-resolution microscopy) with quantitative workflows. Established collaborations will allow investigating the axonal ultrastructure by electron microscopy and extending results to human neurons from induced pluripotent stem cells. The postdoc will drive the project with supervision and mentoring from group leader Christophe Leterrier: devising, performing, and analyzing experiments, working with other members of the team, preparing publications from the project.

About the team and environment - more at <https://www.neurocytolab.org>

The NeuroCyto lab is part of the NeuroPhysiopathology Institute (INP, <https://inp.univ-amu.fr/en>) located on the Timone campus of Aix-Marseille University, in the center of Marseille, France. We are a young and thriving team of around 10 people (researchers, PhD students, engineers, techs) led by Christophe Leterrier. The overarching aim of the team is to understand the architecture of the neuronal cytoskeleton to explain how it builds, maintains, and transforms neuronal organization and function. We have a recognized expertise in applying cutting-edge microscopy techniques, in particular Single Molecule Localization Microscopy (SMLM) to neuronal cell biology. In addition, we have strong ties with the newly revamped cellular imaging facility at INP which offers a range of super-resolutive approaches. In the team, we aim at making ambitious and rigorous science by fostering a positive environment based on respect, team spirit, good communication and mentoring.

About the profile

We are looking for candidates with a PhD in cell biology, neuroscience, or microscopy with strong motivation to push things forward. Skills in neuronal cell biology, cell culture (including neurons), sample preparation, optical microscopy (possibly super-resolution), image analysis (e.g., ImageJ/Fiji, python) are a plus. Discipline for promptly and rigorously designing, conducting, and analyzing experiments as well as motivation to develop new workflows are expected. Taste for interdisciplinary work, team spirit, ability to interact and collaborate with junior researchers and general sense of camaraderie and motivation to learn are a must.

About the application

Interested in this opportunity? Please apply before January 1st, 2022 by sending a CV, name of three references, and motivation letter stating why we should work together on this project to christophe.leterrier@univ-amu.fr. Don't hesitate to contact Christophe more informally if you have any question about the position.