



Postdoctoral researcher position in the “Comparative developmental neurobiology” team of the Institut Jacques Monod

The team “Comparative developmental neurobiology” at the Institut Jacques Monod in Paris, France, is recruiting a postdoctoral researcher to study the evolution of neuronal diversity using comparative transcriptomics in the insect visual system. The project is funded by an ERC starting grant.

The recruited postdoc should have a strong interest in neuronal development and/or neuronal evolution. During their time in the lab, s/he will acquire the following skills:

- Competence in R and/or python
- Experience with single-cell sequencing datasets
- Experience in use of molecular genetic tools

The goal of the project is to understand how neuronal diversity evolves by defining the cell type composition in the brains of phylogenetically diverse insects. The postdoctoral researcher will generate single-cell transcriptomic datasets from the visual systems of different insects and will compare their cell type composition to the recently published exhaustive dataset from *Drosophila melanogaster* (doi.org/10.1038/s41586-020-2879-3). They will also participate in projects in the lab that assess the evolution of developmental mechanisms of neuronal diversity. The lab is well integrated in the *Drosophila* single-cell sequencing community (doi.org/10.1016/j.cell.2018.05.057), has expertise in the generation and analysis of single-cell sequencing datasets (doi.org/10.1016/j.cell.2018.05.021) and is currently developing comparative analytical approaches (doi.org/10.1016/j.coisb.2018.08.001).

The recruited researcher will be part of a newly established team led by Nikos Konstantinides at the Institut Jacques Monod, which is a joint CNRS/Paris Diderot University research unit of around 350 people. The IJM is housed in a recent University building on the Paris Rive Gauche campus located in the 13th arrondissement of Paris and hosts research teams with diverse interests ranging from neuronal development to evo-devo and epigenetics. The working language of the lab is English.

The deadline for the call is April 24th. Potential applicants should submit their applications here: <https://emploi.cnrs.fr/Offres/CDD/UMR7592-NIKKON-002/Default.aspx?lang=EN>. If you have any questions, please contact Nikos Konstantinides (nikos.konstantinides@ijm.fr).

