

Postdoctoral Position in Glial-Neuron Development Study in Brussels

The team “[Neuronal & Glial mechanisms of Neural Circuit Architecture](#)” is recruiting a postdoctoral researcher to dissect mechanisms of early circuit formation acting across species, using *C. elegans* and vertebrate model systems.

Candidates must have a PhD degree (obtained or expected) in Cell Biology, Molecular Biology, Neurobiology, Developmental Biology or related Life Sciences. The recruited postdoc will have a strong interest in neurobiology/ glial cell biology/ developmental biology and solid experience in cellular & molecular biology. Experience in working with mice or other vertebrate model organism, and/or cell culture is preferable. Experience in microscopy, imaging and -omics techniques is a plus. Experience in working with *C. elegans* is a plus but not required.

The overarching goal of the project is to identify and dissect neuronal and glial cell mechanisms driving circuit architecture, and to explore conserved roles across invertebrate and vertebrate models. The choice of studied molecular factors will be guided by pre-existing single-cell transcriptomic data and preliminary *in vivo* functional findings of our group, and will be decided collaboratively by the postdoctoral researcher and the group leader Georgia Rapti. The research can involve collaborations with other lab members and will leverage established collaborations with laboratories of vertebrate developmental (neuro)biology and glial biology.

The host group has expertise in approaches of advanced genetics and gene manipulation (forward & reverse genetic screens, CRISPR/Cas9), animal transgenesis, cell biology and manipulation (imaging, ablation, photoconversion), *in vivo* timelapse quantitative imaging, pipelines for behavioral and aging studies, and established collaborations in electron microscopy, biophysics, genomics ([Rapti et al, 2011](#); [Boulin, Rapti et al, 2012](#); [Rapti et al, 2017](#), [Yang et al, 2023](#), [Coraggio et al, 2024](#), [Nadour et al, 2025](#), [bioRxiv](#), unpublished data).

The researcher joining our team will be affiliated with the [ULB](#), located in the heart of Europe (Brussels, Belgium), and a department comprising of 24 research groups across campuses and 240 scientists with diverse interests ranging from neurodevelopment to circuit neuroscience in various model organisms.

Working language will be English. French may be a plus but not required.
The position will be supported by FNRS funding.

The call will be open until the position is filled.

Suggested start date: November 2025 or soon thereafter.

Candidates should submit their application, to include a CV, motivation letter, publications, contacts for reference letters. Applications and inquiries should be addressed to Georgia Rapti (georgia.rapti@ulb.be, grapti@embl.de)