

The Jarriault Lab is looking for a postdoc!

We are looking for an outstanding scientist to join a wider collaborative project studying the nature of cellular transitions between 2 identities, at the unique cell level.

Our laboratory “In vivo cellular plasticity and direct reprogramming” at the IGBMC investigates fundamental cellular & molecular mechanisms underlying cell identity maintenance and reprogramming, using a combination of genomics, different genetic approaches and imaging technologies. An ANR-funded 2years postdoctoral position, starting January 2025, is available to join our lab at the IGBMC in Strasbourg, France. We have pioneered the study of natural instances of cellular reprogramming establishing the worm as a unique model, while fostering a creative and enthusiastic working atmosphere in the lab. *C. elegans* has proved a powerful model to unravel conserved principles underlying how a cell can naturally change its identity.

The project will take advantage of existing scRNAseq data detailing with minute precision the terminal differentiation of a cell and generate similar dataset for a transdifferentiating cell. The project aims to elucidate the TF cascade and GRN controlling the transition states between 2 identities, one of the biggest open questions in the field, and to compare it to those observed during induced reprogramming in mice through our collaborators.

Our team is part of the Development & Stem Cells Department, at the IGBMC, in Strasbourg, France. This Research Institute (www.igbmc.fr) provides access to state-of-the-art facilities and a vibrant international research environment. For more information about the group, please visit: <http://igbmc.fr/jarriault>

The successful candidate should have a PhD (or be in the final stages of completion) and be highly motivated with a strong interest in Developmental and Stem Cells Biology. The ability to work both independently and as a team member and experience in the use of molecular biology and genetic techniques are essential. Experience in working with *C. elegans* is a plus. Note that a very good track record and at least one publication as a first author is required.

Applicants should email, by Jan. 12, 2025, a motivation letter, a CV, a description of research projects & experience as well as the name and contact info for 3 referees to:

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