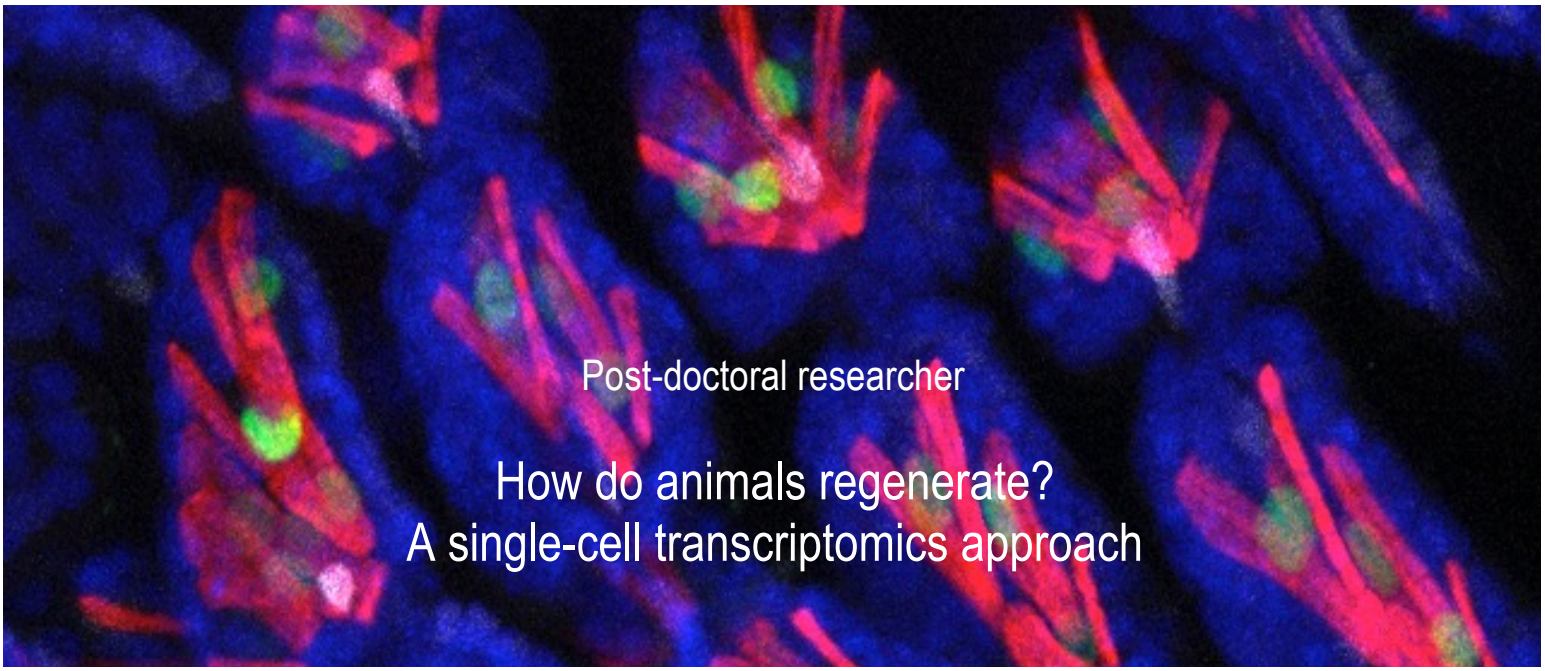

Post-doctoral researcher

How do animals regenerate?
A single-cell transcriptomics approach

The team of Michalis Averof, at the **Institut de Génomique Fonctionnelle de Lyon (IGFL)** in France, is recruiting a post-doctoral researcher with expertise in transcriptional profiling and data analysis. The project will explore fundamental questions on regeneration, including the identity and evolutionary relationships of progenitor cells, the cellular diversity that these generate, and whether the process of regeneration mirrors the mechanism of leg development in the embryo. The project is funded by an ERC Advanced Grant.

The project will involve analysing large datasets of bulk and single-cell transcriptomes during the course of limb regeneration. The research will be carried out in the crustacean *Parhyale hawaiensis*, a new model that combines good regenerative ability with genetic tractability and live imaging (see Science 343: 788-791, eLife 5: e19766). The *Parhyale* genome sequence and regenerating limb transcriptomes are already available (eLife 5: e20062).

Candidates should have a strong background in genome-wide computational analysis, including coding skills for data analysis and statistics. Previous experience with single-cell RNAseq and/or transcriptomics in non-model organisms would be an advantage. Laboratory skills (or a wish to acquire them) would allow the recruited candidate to generate his/her own data.

The researcher will be integrated in the Averof lab (www.averof-lab.org), in the new laboratories of the IGFL at the École Normale Supérieure de Lyon, an exciting environment for research at the interface of development, physiology, evolution and genomics. The working language of the team is English.

The researcher will receive a salary and health/social security coverage from the CNRS. The contract will be initially for one or two years, with possible extensions until the end of the project (December 2021). The starting date is negotiable.

This call has an open deadline; applications will be examined until the relevant position is filled. Potential applicants are encouraged to contact Michalis Averof as early as possible, sending a brief description of interests and a CV to michalis.averof@ens-lyon.fr.

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