

Postdoctoral positions to explore the control of cellular identity and plasticity during reprogramming and oncogenic transformation

The Laval Lab is seeking 2 talented postdoctoral scientists with strong background in cancer and/or reprogramming biology, to explore the control of cellular identity and plasticity during oncogenic transformation and reprogramming. We recently developed cellular and mice models to conduct such comparative analyses (Huyghe A. et al., *Nature Cell Biology* 2022) (<https://www.crcl.fr/en/citi-department/reprogramming-stem-cells-and-oncogenesis/> - Lyon university).

The candidates will integrate a dynamic and stimulating environment at the cancer research center of Lyon (CRCL), and will have access to core facilities on site (microscopy, flow cytometry, single-cell, bioinformatics, organoids, tumor models, PDX).

Skills:

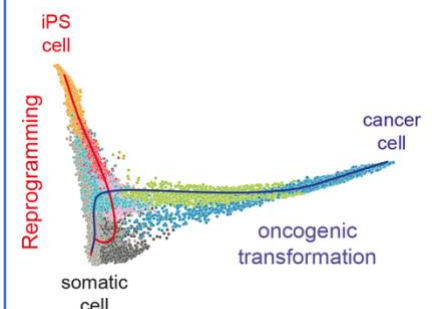
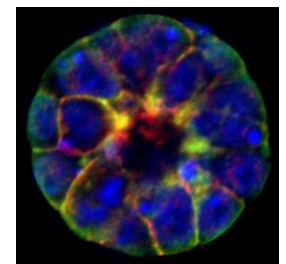
- Expertise in cancer (lung) and/or reprogramming biology
- Expertise in the use of mice models and/or iPS cells
- Autonomy and ability to drive the project
- Organization and team player
- Excellent communication and writing skills
- Fluency in English

Contract start date: flexible, between January and April 2023.

Contract duration: 18 months, renewable. Candidates are expected to apply for independent fundings. Assistance will be provided during the application process.

Please submit CV, cover letter, concise description of past achievements and academic goals, and contact details for 2-3 referees. The positions will remain open until filled. We are reviewing applications as they are received. Therefore, candidates are encouraged to apply as soon as possible.

Contact: Fabrice.lavial@lyon.unicancer.fr



CRCL CENTRE DE RECHERCHE EN CANCÉROLOGIE DE LYON

Recent publications:

- A. Huyghe, G. Furlan, J. Schroeder, E. Cascales, A. Trajkova, M. Ruel, F. Stüder, M. Larcombe, Y. Bo Yang Sun, F. Mugnier, L. De Matteo, A. Baygin, J. Wang, Y. Yu, N. Rama, B. Gibert, J. Kielbassa, L. Tonon, P. Wajda, N. Gadot, M. Brevet, M. Siouda, P. Mulligan, R. Dante, P. Liu, H. Gronemeyer, M. Mendoza-Parra, J. M. Polo, F. Laval. Comparative roadmaps of reprogramming and oncogenic transformation identify Bcl11b and Atoh8 as broad regulators of cellular plasticity. **Nature Cell Biology** 2022.

- A. Huyghe, G. Furlan, D. Ozmadenci, C. Galonska, J. Charlton, X. Gaume, N. Combémoré, C. Riemenschneider, N. Allègre, J. Zhang, P. Wajda, N. Rama, P. Vieugué, I. Durand, M. Brevet, N. Gadot, T. Imhof, B. J. Merrill, M. Koch, P. Mehlen, C. Chazaud, A. Meissner, F. Laval. Netrin-1 promotes naive pluripotency through Neo1 and Unc5b co-regulation of Wnt and MAPK signalling. **Nature Cell Biology** 2020.

- A. Puisieux, R.M. Pommier, A.P. Morel, F. Laval. Cellular Plasticity and the Multistep Process of Tumorigenesis. Review. **Cancer Cell** 2018.