

Dr. Fabrice Lavial

"Reprogramming cellulaire et oncogénèse"
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POST-DOCTORAL POSITION IN THE FIELD OF STEM CELL PLURIPOTENCY AND
REPROGRAMMING

A post-doctoral position is available in the laboratory of Fabrice Lavial at the Cancer research center of Lyon (CRCL). The main lab interests are centered on the control of stem cell pluripotency both *in vitro* and *in vivo*. The post-doc to be recruited will join a project addressing the function of the netrin-1 signalling pathway in stem cell pluripotency, mouse pre-implantation development and somatic cell reprogramming.

Potential candidates should hold (or be about to obtain) a PhD and must be able to conduct their research independently. Expertise in embryonic/induced pluripotent stem cells, signalling and/or early embryos is a plus.

Funding is provided for 18 months, extendable. The starting date is not firmly fixed, but should be preferentially set within the first half of the year 2020.

Candidates should send their application (including letter of motivation, CV and referees contact) to fabrice.lavial@lyon.unicancer.fr

For more detailed information, please find below selected publications related to the project:

1- Huyghe A., Furlan G., Ozmadenci D., Galonska C., Charlton J., Gaume X., Combémoré N., Riemenschneider C., Allègre N., Zhang J., Wajda P., Rama N., Vieugué P., Durand I., Brevet M., Gadot N., Imhof T., Merrill B., Koch M., Mehlen P., Chazaud C., Meissner A. and Lavial F.

Netrin-1 promotes naïve pluripotency through Neo1 and Unc5b co-regulation of Wnt and Mapk signalling.

Nature Cell Biology, in press.

2- Ozmadenci D., Feraud O., Markossian S., Kress E., Ducarouge B., Gibert B., Jeng G., Durand I., Gadot N., Scoazec JY., Bennaceur-Griscelli L., Plateroti M., Gil J., Deng H., Bernet A., Mehlen P. and Lavial F.

Netrin-1 regulates somatic cell reprogramming and pluripotency maintenance.

Nature Communications 6:7398, 2015.