



Post-doctoral position available at ENS

A 2-3 years post-doctoral position is available at the ENS, Paris, to study the initiation and growth of cancer from a single cell in zebrafish. The idea is to use the optogenetic tools developed in the host lab to turn on one (or a few) oncogenes (or off some tumor suppressor genes) in single cells of a zebrafish larva. The probability of tumorigenesis will be measured and the genetic analysis of cancer developing cells vs non-cancer developing ones will be conducted.

For this project we are looking for a smart, independent and driven person with demonstrated experience in zebrafish: micro-injection, transgenesis, microscopic observations, ISH and genetic analyses.

Knowledge of image analysis (ImageJ) and computer programming (R, Matlab, LabView) favored.

The person will be paid a net post-doctoral salary of about 2800€ (depending on experience).

Appropriate candidates should send their CV and three letters of recommendation to David Bensimon (david@lps.ens.fr).

References:

1. "Optical control of tumor induction in the zebrafish", Z.Feng, S.Nam, F.Hamouri, I. Aujard, B.Ducos, S.Vriz, M.Volovitch, L.Jullien, S.Lin, S. Weiss and D.Bensimon, *Sci.Rep.* **7**, 9195 (2017)
2. "Control of protein activity and gene expression by cyclofen-OH uncaging", W.Zhang, F.Hamouri, Z.Feng, I. Aujard, B. Ducos, S. Ye, S.Weiss, M.Volovitch, S.Vriz, L.Jullien and D.Bensimon, *ChemBioChem* **19**,1-8 (2018)