



## POSTDOC ON BIOINFORMATICS FOR EPIGENOMICS

### Job description:

A **postdoctoral** position is available for a highly motivated researcher that wishes to join the Laboratory of Cancer Epigenetics headed by **Prof. François Fuks** (ULB-Cancer Research Center, Brussels). The research goal will be the analysis of transcriptomic and epigenomic changes (*e.g.* DNA methylation) that arise in cancers. Our major focus is particularly on the analysis of next generation sequencing data concerning a novel RNA epigenetic modification, which our lab recently investigated, will be one of the main challenging tasks of the candidate (Delatte et al., *Science* 2016). He/she will participate in several projects with high impact publication potentials.

### Working environment:

The candidate will have the possibility to analyse many types of sequencing methods (RNA-seq, ChIP-seq, RIP-seq, CLIP-seq, Oxford Nanopore, ...), while having a direct interaction with the wet lab biologists generating the data. The host lab is part of the ULB-Cancer Research Center (U-CRC) (<http://ucrc.ulb.be/>), providing opportunity to interact with high profile scientific community. The candidate will **join other experienced bioinformaticians** working on transcriptomics and epigenomics. The lab has collaborations in Belgium and abroad, while being international, the working language is English.

### Profile:

The candidate should hold a PhD (or submitted) in bioinformatics, computational biology, bio-engineering or computer sciences. He/She should demonstrate proficiency in statistics and programming with R, Python, and/or Bash. Pipeline development and automation will be a plus. Experience with next-generation sequencing (*esp.* RNA-seq, ChIP-seq) and clinical data will be assets. The applicant should have good organizational skills, a taste for interdisciplinary research, excellent scientific writing and presenting skills and ability to work independently and with team. The interaction with the biologists in the lab will be key and genuine interest for biology and clinical researches is required. This position is **funded for 2 years**, with the possibility of further renewal. Screening of applications begins immediately and continues until an outstanding candidate is selected (**flexible starting date**).

### How to apply?

Informal enquiries, a motivation letter, a CV and names of two referees should be sent to: Gaurav Dube (Gaurav.Dube@ulb.ac.be)

Lab website: <http://fukslab.ulb.be/>

### Selected publications:

- Bonvin et al., *Cancer Res.* 2019
- Collignon et al., *Science Adv.* 2018
- Jeschke\*, Bizet\* et al., *J. Clin. Invest.* 2017
- Van Grembergen et al., *Science Adv.* 2016
- Delatte et al. *Science* 2016
- Boumahdi et al. *Nature* 2014
- Deplus et al. *Cell Rep.* 2014
- Dedeurwaerder\*, Defrance\* et al. *Briefings in Bioinformatics* 2014
- Delatte et al. *EMBO J.* 2014
- Deplus et al. *EMBO J.* 2013
- Volkmar et al. *EMBO J.* 2012
- Dedeurwaerder et al. *EMBO Mol Med.* 2011
- Dedeurwaerder\*, Defrance\* et al. *Epigenomics* 2011
- Fuks F. *Nature* 2010
- Villa et al. *Cancer Cell* 2007
- Viré et al. *Nature* 2006