LABORATORY OF CANCER EPIGENETICS
ULB-CANCER RESEARCH CENTER (U-CRC)
UNIVERSITE LIBRE DE BRUXELLES (ULB)
FACULTY OF MEDICINE
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# POSTDOC ON BIOINFORMATICS FOR EPIGENOMICS

**Job description:**
A **postdoctoral** position is available for a highly motivated **PhD** 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, histone modifications) that arise in cancers. Particularly 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 also participate in several projects with high impact factor publication potentials.

**Working environment:**
The host lab is running a Next Generation Sequencing platform (*http://epics.ulb.be/*) and the candidate will have the opportunity 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 a high profile scientific environment. The candidate will **join other experienced bioinformaticians** working on transcriptomics and epigenomics, and collaborate with bioinformaticians from our university, as well as with other institutes from Belgium and abroad.

**Profile/Starting date:**
The candidate should hold a PhD (or about to be obtained) in bioinformatics, bio-engineering, biomedical sciences or eventually in engineering or computer sciences and demonstrate proficiency in statistics and programming (*e.g.* R, python). Experience with sequence data, genome-wide data sets (*e.g.* ChIP-seq, RNA-seq ...) or massive datasets analysis will be assets. The applicant should have good organizational skills, a taste for interdisciplinary research, excellent scientific writing and presenting skills and be able to work independently. The interaction with the biologists in the lab will be key for the success of this project and genuine interest for biology and clinical researches is required. A good biological background will be valuable. 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:
Martin Bizet (mbizet@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