Postdoctoral Researcher in metabolomics at the Research Institute for Environmental and Occupational Health

French School of Public Health of Rennes (France)
Contract: short term contract (12 months)
Closing date: 1 March 2019

The French School of Public Health, a member of the Research Institute for Environmental and Occupational Health (https://www.irset.org/en) (Irset-Inserm UMR 1085)) and University Sorbonne-Paris Cité (http://www.sorbonne-paris-cite.fr/), seeks highly qualified candidates for a postdoctoral research position to work in the field of metabolomics. This position is part of a larger project aiming at developing novel *in silico* approaches combining transcriptomics with metabolomics to improve xenobiotic classification and advance the field of predictive toxicology. The successful candidate will be responsible for developing a high throughput metabolomics-based analytical method using UHPLC-ESI-Q-TOF in order to screen xenobiotics in NCI-H295R cell lines and study how these xenobiotics are disrupting major biological pathways at the metabolome level. Specific duties include developing new sample preparation methods for separating steroids and other metabolites in NCI-H295R culture medium, be involved in the optimization of *in vitro* assays to obtain the best analytical sensitivity, process data from xenobiotic screening using vendor software for targeted analyses and open-source software for untargeted analyses.

We seek a highly motivated and enthusiastic candidate with a PhD in the area of metabolomics, or analytical chemistry with experience and demonstrated success of working independently and as part of a team in analytical or academic research facility. The successful applicant will work at the Laboratory for Research and Study in Environment and Health (LERES), a major analytical platform fully integrated within IRSET-Inserm U1085. Essential skills for this job include experience in biological sample preparation techniques, strong practical expertise in liquid chromatographic methods, LC-HRMS based metabolomics and experience in metabolite deconvolution software and Mass Spectral Database.

The position will include collaborations with toxicologists, developmental biologist and bioinformaticians within the Research Institute for Environmental and Occupational Health. Evidence of peer-reviewed publications as well as effective communication skills, both oral and written is required.

The successful candidate is expected to start in the second term of 2019. The closing date for applications is 1st March 2019. Please submit a single PDF containing your current curriculum vitae

(including list of publications), contact information for three professional references, and a cover letter describing your interest in the position and how your qualifications meet the criteria outlined above to Dr Arthur David (arthur.david@ehesp.fr). Interested applicants can email Dr Arthur David for further information.