PhD student position in the area of neuro-toxicology

Geneva University is a public comprehensive translational research university founded in 1559 by John Calvin. It has a strong international standing ranked 53rd worldwide by the Shanghai Academic Ranking of World Universities. Our mission is to pursue top-quality research and education and to interact constructively with society. Geneva University has 17'000 students from more than 150 countries, 6'000 employees and a turnover of CHF 700 million.

The vacant PhD student position is placed in the Translational Biomarker Group (TBG) from the Faculty of Medicine in the area of biomedical sciences, which is one of seven research options in the life science program. Researchers at TBG investigate how xenobiotics interact with brain blood barrier cellular functions and give rise to long term adverse health effects in humans.

Project description: The project is part of the research of Prof Jean-Charles Sanchez and concerns neurotoxic effects induced by drugs and chemicals on human. *In vitro* neurovascular unit (NVU) models will be used to examine how drugs , chemicals and mixtures of them can interfere with key molecular events in the cells and thus disrupt biologicall processes. The project will be linked to a larger Swiss Center of Applied Human Toxicology (SCAHT) project, which has the goal to integrate research within the areas of omics', toxicology and risk assessment in order to increase the knowledge about how xenobiotic exposure can lead to disease later in life and to improve risk assessment of chemicals with this type of effects.

Qualifications required: We are looking for an individual who is creative, has good analytical ability, and who is highly motivated to become a PhD student. The person should be able to work independently but also as a team worker in collaboration with other students and researchers. Good skills in spoken and written English are necessary. The applicant should have a master degree, for instance with focus on environmental toxicology, toxicology, biochemistry, or pharmacy. Experience in working with cellular models, mass spectrometry and molecular biology methods are prefered. The study time for a PhD student is four years.

The application should contain CV, MSc certificate (if available) and degrees, master thesis (or a draft thereof), phone and e-mail address to two reference persons, and a short (not more than one A4 page) description of yourself (personality, what you are good/bad at, research interest, etc.) and a motivation for why you are interested in becoming a PhD student in biomedical sciences.

You are welcome to submit your application at the latest March 30, 2018 at:

Jean-charles.sanchez@unige.ch.

Placement: Translational Biomarker Group (TBG), Faculty of Medicine, Geneva Unversity, 1 Michel Servet, 1211 Geneva, Switzerland.