

Geneva University, Faculty of Medicine

PhD student position

Glycation Proteomics

A PhD position is available at the Department of Structural Biology and Bioinformatics and the Division of Angiology and Haemostasis of the Geneva University, Switzerland. The aim of the project is to develop an innovative and interdisciplinary proteomics strategy to achieve a comprehensive analysis of **glycated proteins** at three different levels: 1) identification and quantification of glycated proteins in the different **blood compartments** of **type 2 diabetic patients** with presence or absence of **aspirin acetylation**, 2) detection of the precise glycation and acetylation sites, and 3) proposal of models for prediction of quantitative functional responses to glucose and aspirin stimuli. The final aim is to disseminate the acquired biological information through a **knowledgebase** containing verified blood glycated proteins. The project involves protein chemistry, mass spectrometry and bioinformatics.

Applicants must have a Msc. degree in chemistry, biochemistry, or related disciplines. The candidate should have knowledge in mass spectrometry-based proteomics. **ETD** background would be considered as a plus. The ability to communicate clearly and share technical knowledge with other researchers is crucial. Proficiency in English is mandatory.

If you feel you are a dynamic and independent scientist who has the potential to contribute to this exciting and challenging project, please submit your letter of interest, C.V. and the names and addresses of **three** referees to:

Dr JC Sanchez
DP Biolo. Struct. & Bioinformat.
University of Geneva
Jean-Charles.Sanchez@unige.ch

or

Dr P Fontana
Angiology and Haemostasis
University of Geneva
pierre.fontana@unige.ch

Review of the applications will start the 1st of April 2011 and until the post is filed. All enquiries will be treated in strictest confidence.