



Job Description: the group of **Prof. Anne-Claude Gavin**, in the Department of Cellular Physiology and Metabolism of the Faculty of Medicine, University of Geneva, Switzerland (Centre Médical Universitaire) and **Prof. Nathalie Reuter**, in the department of Chemistry, University of Bergen, Norway are seeking a:

POST-DOC IN BIOCHEMISTRY

Gavin's and Reuter's groups study lipid metabolism, the regulation of cell membrane homeostasis, and their role in human pathologies such as infections and Alzheimer's disease. Gavin's group has developed novel (bio)chemical methods integrating mass spectrometry, proteomics, lipidomics, microfluidics and bioinformatics to map cellular protein-lipids in health and disease. Reuter's group has developed computational molecular modeling and simulation approaches to explore how peripheral membrane proteins live at the membrane periphery.

The post-doctoral fellow will join a high-profile research project, "*Life at the periphery: the workings of proteins at the surface of cell and organelle membranes*", investigating how lipid transporters, e.g. lipid-transfer proteins function at the surface of biological membranes. Located at the University of Geneva in Switzerland, his/her goals are to decipher mechanisms by which lipid signatures and gradients are sensed and "read" by lipid transporters, and to characterize the effects of discrete mutations on the membrane and lipid recognition.

Job qualifications: We seek to recruit an outstanding candidate with a strong interest in using novel biochemical and microfluidic assays to biochemically characterize peripheral membrane proteins and the mechanism of lipid transport. The successful candidate will have a PhD in biophysics, biochemistry or membrane biology. Previous experience in the purification and biochemical analysis of large macromolecular complexes and/or previous experience in lipid and membrane biochemistry would be an advantage. The position requires exceptional motivation and commitment to conduct fundamental research in the field of lipid biology, the ability to work independently as well as in a multidisciplinary team, and excellent technical, organizational, and management skills. Good communication skills and fluency in English are important.

An initial contract of two years will be offered to the successful candidate. This can be renewed, depending on the circumstances.

Start date: to be agreed upon, ideally in the fall of 2023

To apply, please send a CV (including names and addresses of referees) and covering letter, by email to anne-claude.gavin@unige.ch.

General enquiries may be sent to anne-claude.gavin@unige.ch or to the following address:

Prof. Dr. Anne-Claude Gavin

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For additional information

<https://www.unige.ch/medecine/phym/en/research/anne-claude-gavin/research/>

<https://nccr-chembio.ch/people/anne-claude-gavin/>

<https://www.cbu.uib.no/reuter/>