



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DE MÉDECINE

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) is seeking a:

POST-DOC OR SCIENTIST IN MASS SPECTROMETRY

The Gavin's group study lipid metabolism, the regulation of cellular membrane homeostasis, and their roles in human pathologies, e.g. infections and Alzheimer. We developed novel (bio)chemical methods integrating mass spectrometry, proteomics, lipidomics, microfluidics and bioinformatics to map cellular protein-lipid in health and disease. We collaborate closely with computational biology groups, pharma industry, and clinicians.

The ideal candidate for this position develops MS-based methods to study a group of disease-linked proteins known as lipid-transfer proteins. These proteins orchestrate the transfer of lipids between membranes, thereby spatially organizing lipids and connecting lipid metabolic pathways. S(he) will investigate lipid movements to develop the first molecular cartography of lipid "highways".

Job qualifications: The successful candidate should have a PhD or equivalent degree, including several years of work experience in the field of MS-based lipidomics or metabolomics. This position requires very strong experience in complex experimental design, liquid chromatography and mass spectrometry-based lipidomics. The ability to work independently, to interact constructively with collaborators from various fields and to contribute to the design of state-of-the-art protocols are critical. Equally important is the familiarity with the analysis, interpretation and publication of large-scale lipidomics data. Experience in bioinformatics is expected. Additional experience in proteomics will be considered as a plus. Good communication skills and fluency in English are important.

Starting date: September 1, 2021 or date to be agreed

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:

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For additional information

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

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