



## Postdoctoral Position in Vascular Research Geneva – Switzerland



UNIVERSITÉ  
DE GENÈVE

FACULTÉ DE MÉDECINE

### Job description

**Contract duration:** two years, with possibility of an extension up to three years

**Starting date:** as soon as possible

The selected candidate will join the laboratory of **Prof. Marie-Luce Bochaton-Piallat** in the Department of Pathology and Immunology of the Faculty of Medicine, University of Geneva, Switzerland.

Prof. Bochaton-Piallat's laboratory specializes in the **role of smooth muscle cells (SMCs) in atherosclerosis**. SMCs can exhibit remarkable phenotypic plasticity, acquire both beneficial and deleterious phenotypes that influence atherosclerotic plaque vulnerability. Prof. Bochaton-Piallat's laboratory is also interested in understanding the pathophysiology of congenital diaphragmatic hernia (CDH) and congenital pulmonary airway malformations. The candidate will have the opportunity to work in a dynamic, friendly, creative, and collaborative environment, contributing to deciphering the mechanisms involved in the development of atherosclerosis and pulmonary disorders, with the aim of advancing knowledge of the vascular–pulmonary axis.

We seek an outstanding candidate with a strong interest in both in-vivo and in-vitro research. The position offers the opportunity to work with state-of-the-art approaches, including lineage-tracing mouse models of atherosclerosis, mouse microsurgies, human sample-based studies, primary cell culture, molecular biology, histology, flow cytometry, Western blotting, ELISA, and various omics techniques.

#### Recent publications related to the project.

*Sakic et al.* Cardiovasc Res 2022 Jan 7;118(1):141-155. doi: 10.1093/cvr/cvaa311.

*Azar et al.* Respir Res. 2025 Aug 26;26(1):262. doi: 10.1186/s12931-025-03332-4.

*Azar et al.* Eur Heart J. 2025 Jun 27;ehaf337. doi: 10.1093/eurheartj/ehaf337.

**Website.** <http://www.unige.ch/medecine/pati/en/groupe/646bochatonpiallat/>

### Profile

The successful applicant will have a PhD with a particular focus on vascular biology/pulmonary disease or related fields. Previous experience in mitochondria and energy metabolism studies, as well as bioinformatics, would be advantageous. The candidate should possess a creative, constructive, self-driven mindset with the capacity for multidisciplinary collaborations, a strong work ethic, and excellent organizational skills. Proficiency in written and spoken English is essential.

### Application

Please ensure that the application file includes a motivation letter, CV, publication list, as well as the names and contact information of two referees. Email to [marie-luce.piallat@unige.ch](mailto:marie-luce.piallat@unige.ch)

**We are looking forward to your application!**