



The **Stroke Research Lab** in collaboration with the **Center for Biomedical Imaging at the University of Geneva** is seeking a highly motivated **PhD CANDIDATE** for a **3-year project** on stroke recovery, **starting in September 2023**.

The project investigates the benefit of a new pharmacological intervention to improve behavior after stroke. The central aim of the project is to determine the benefit of a new drug on motor function and determine the mechanisms underpinning its potential clinical effects using cutting-edge experimental imaging methods.

The position is for 3 years starting in September 2023. The initial appointment will be for one year, with a possibility of extension for the remaining period, pending on an intermediate evaluation. This project is funded by the Swiss National Science Foundation.

Main missions

- Collection, analysis and interpretation of behavior and imaging MRI data in healthy and stroke populations
- Participation to the development of imaging analysis techniques.
- Writing of high-impact publications and presentation of results at international meetings.

Profile

- You have a Ms degree in Medicine, Neurosciences, Biology, Pharmacology, Computer Science, Biomedical Sciences, Biomedical Engineering
- You have experience or interest with the acquisition and analysis of imaging data.
- You ideally have signal processing skills (mastery of imaging analyses), and knowledge in statistics and programming (Python, Matlab or other similar languages)

Environment

The Stroke Laboratory is part of the Comprehensive Stroke Center at the Geneva University Hospital (HUG) and is hosted by the Department Clinical Neurosciences at the University of Geneva. The project will be developed in collaboration with the CIBM (Center for Biomedical Imaging; <https://cibm.ch/>) providing an outstanding scientific research environment. We offer a highly collaborative, interdisciplinary and international environment.

Application and time schedule

Applications should be submitted via email by sending:

- a cover letter and statement summarizing your research interests and motivation (max. 1 page);
- a CV with a list of publications
- the name and email addresses of up to three referees

Evaluation of candidates will begin immediately, and continue until the position is filled.

Contact : Dr Emmanuel Carrera, Head, Stroke Center.

Emmanuel.Carrera@hcuge.ch www.carrerolab.com