

## **PhD and post-doctoral positions in computational neuroscience and speech production, University of Geneva, Switzerland**

One PhD and one postdoctoral positions are available under the supervision of Timothée Proix (<https://timothee.proix.ch>) in the Auditory Language Group led by Prof. Anne-Lise Giraud (<https://neurocenter-unige.ch/research-groups/anne-lise-giraud>) at the University of Geneva, Geneva, Switzerland. The project aims at developing a large-scale model of speech production using intracranial EEG data, and lies at the interface between data analysis, dynamical systems modeling, and machine learning.

**Postdoctoral position.** The candidate will contribute to acquisition and analysis of intracranial EEG data and speech recordings. Applicants should have solid bases in maths/physics/bioengineering, prior experience in electrophysiological recordings and data analysis, as well as programming and machine learning skills.

**PhD position.** The candidate will develop theoretical tools using dynamical systems theory to model neural activity during speech production. Applicants should hold a master degree in maths/physics/informatics/engineering. Previous experience in dynamical systems modeling, neuroscience, and programming will be valued.

The research will be performed at the campus Biotech in the university of Geneva, a vibrant and stimulating environment for neuroscience research. The positions are funded by the Swiss National Science Foundation, and salaries are in compliance with their guidelines.

The ideal start is early 2021, with some flexibility. Applications will be considered until the positions are filled. To apply, send a motivation letter, CV, and contact information for 2-3 references, as well as any other relevant documents to [timothee.proix \(at\) unige.ch](mailto:timothee.proix@unige.ch).