

University of Geneva  
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**UNIVERSITÉ  
DE GENÈVE**

**FACULTÉ DE MÉDECINE**

Geneva, 13 March 2018

## **POSTDOCTORAL POSITION IN CLINICAL NEUROENGINEERING**

The lab of Prof. Michel at the University of Geneva is offering a postdoctoral position financed by the Swiss National Science Foundation for up to two years to work on clinical neuroengineering projects aimed at restoring communication and independence of people with tetraplegia and locked-in syndrome using brain-controlled assistive devices and prostheses.

The successful applicant will be supervised by Dr. Tomislav Milekovic, a junior group leader under the senior supervision of Prof. Christoph Michel. They will work to develop and advance brain-computer interfaces based on electroencephalography (EEG) and intracortical microelectrode array recordings. These brain-computer interfaces will utilize adaptive decoders in order to restore independence of people with locked-in syndrome.

The ideal candidate will have:

1. Background in computational/theoretical neuroscience, physics or mathematics
2. Experience in the quantitative analysis of electrophysiological neural signals (EEG, ECoG, LFP, spikes)
3. Experience in assembling and maintaining brain-computer interface systems
4. Leading brain-computer interface experiments with human or animal subjects
5. Experience in developing and using neural decoders
6. Experience in C/C++ software development

The qualified candidate will benefit from joining a very dynamic and multidisciplinary group working at the interface of neuroscience, engineering and prosthetics. They will collaborate with several labs of the newly founded Campus Biotech in Geneva, and be strongly supported by the Wyss center for Bio and Neuroengineering led by Prof. John Donoghue. University of Geneva provides state-of-the-art facilities is one of the leading technical universities worldwide. In addition, University of Geneva offers competitive postdoctoral salaries ranking amongst the highest in the world.

Applications including a CV, statement of research interests, and the names and full contact details of two referees should be sent to [tomislav.milekovic@unige.ch](mailto:tomislav.milekovic@unige.ch).

Sincerely

Dr. Tomislav Milekovic