

## **Assistant Professorship in Machine Learning and Computational Neuroscience, University of Bern, Switzerland**

The Institute of Computer Science (Faculty of Science), the Center of Neuroscience (Faculty of Medicine) and the Swiss Institute for Translational and Entrepreneurial Medicine (SITEM) seek an assistant professor in Machine Learning and Computational Neuroscience with starting date November 1<sup>st</sup>, 2018 or as soon as possible. The research focus is on modern machine learning methods for modeling and processing clinical data for sleep and epilepsy research.

This position is supported by the Interfaculty Research Cooperation ([IRC](#)) project on sleep research and is part of a new collaboration that aims to strengthen the translational research between the Faculties of Science and Medicine and SITEM. The candidate will be the head of the Computational Platform within the IRC, which consists of 5 Professors and 3 PhD students. The position includes financial support for 1 PhD student and is limited to 3 years with a possible extension of 1 more year.

The candidate should have a strong background in machine learning and clinical data analysis in neuroscience. Experience with the analysis of neurophysiological data, such as long-term (intracortical) EEG recordings, is highly desirable and ideally the candidate has already successfully worked in an interdisciplinary medical-scientific environment.

The successful candidate is expected to teach 1 course in the Bachelor Program in Computer Science and will have the opportunity to teach courses in the Master Program in Computer Science and in Biomedical Engineering.

Applicants should have a strong academic record, be research-oriented and also committed to creating an effective bridge between the Center of Neuroscience, the Institute of Computer Science and SITEM.

Applications should include a curriculum vitae, a publications list, copies of the most significant recent publications and an outline of current and planned work.

Candidates should fill out our online questionnaire at the website

<http://www.inf.unibe.ch/ircprof2018>

and upload their application as a single PDF file (max 15MB) at the bottom of the webpage, no later than August 15th, 2018.

Submissions through the website will be automatically sent to:

Prof. Zoltan Balogh, Dean, Faculty of Science, University of Bern, Sidlerstrasse 5, CH-3012 Bern, Switzerland, e-mail: [info@natdek.unibe.ch](mailto:info@natdek.unibe.ch)

The University of Bern especially encourages women to apply for this position. Further information may be obtained by contacting Prof. P. Favaro, Institute of Computer Science, University of Bern, Neubrückestrasse 10, CH-3012 Bern ([favaro@inf.unibe.ch](mailto:favaro@inf.unibe.ch)).

