

PROFESSOR POSITION IN SYSTEMS NEUROSCIENCE

The Faculty of Science and Medicine of the University of Fribourg, Switzerland, announces the opening of a position of Professor in Systems Neuroscience (open rank appointment: tenured or tenure-track).

GENERAL CONDITIONS

The successful candidate should possess a doctoral degree (PhD or MD) and a strong track record in the area of Systems Neuroscience. The applicant should seek to develop a cutting-edge research agenda supported by external funding. Experience in grant acquisition, team management, and leadership are advantageous. In the area of translational neuroscience, the University of Fribourg provides opportunities for cooperative activities with the partner institutions EPFL and Wyss Center Geneva, and an integration of the candidate in these activities is desirable. The candidate's research agenda should ideally employ a mammalian animal model to address important questions in basic or applied neuroscience. Researchers with an interest in non-human primates are particularly encouraged to apply. The position is available at full professor level; however, depending on the experience of the candidate, a tenure-track procedure may also be considered. Seeking to promote an equitable representation of women and men, the University strongly encourages applications from women.

APPLICATION PROCEDURES

Hard copies of the following documents should be forwarded to the mailing address below:

1. a covering letter mentioning the position for which the candidate is applying (Professor of Systems Neuroscience)
2. a complete curriculum vitae
3. a complete list of publications (highlighting specifically the 5 most important contributions)
4. a detailed record of teaching experience
5. a record of past and present funding
6. a 1-2-page description of the research that the candidate intends to conduct in Fribourg
7. the names and addresses (postal and e-mail) of three persons who could be contacted as referees

Deadline: the applications have to reach the Dean's office before 30 September 2018.

Prof. Christian Bochet
Dean of the Faculty of Sciences and
Medicine University of Fribourg Chemin du
Musée 8
CH-1700 FRIBOURG
Switzerland

Please also send an **electronic version of the application** ("**name.pdf**") and PDF versions of the 5 most relevant publications ("**name-papers.pdf**") to the Faculty Administrator at the Dean's Office (franziska.heyne@unifr.ch).

ACADEMIC ENVIRONMENT

Faculty, Sections and Departments

The Medicine Section belongs to a joint Faculty of Science and Medicine of the University of Fribourg, which facilitates cooperation between medicine and basic science disciplines such as physics, chemistry or biology and offers many possibilities for collaboration and shared use of infrastructure. The candidate will join the

Department of Neuroscience and Movement Science (NMS), one of five departments in the Medicine Section that have been newly constituted in 2018. The Medicine Section is currently in the process of expansion, as 12 additional professor positions are being filled in the context of the new Master in Medicine at UNIFR starting in 2019.

The Medicine Section currently hosts 20 professors, distributed into four teaching domains, namely Morphological Sciences, Physiology, Sport Science and Clinical Medicine (Pathology, Microbiology, Pharmacology, Cardiology, Neurology, Endocrinology, Psychiatry and Medical Humanities). Clinical teaching is ensured in collaboration with the Fribourg Hospital (HFR) and the Mental Health Network of Fribourg (RFSM). The Medicine Section is led by a president who is elected for 2 years amongst its professors. Major decisions are taken by the Faculty Council and/or Section Councils, which include teaching staff and student representatives.

Study programmes

In accordance with the Bologna Declaration of 1999, the Faculty of Science adopted the Bachelor's / Master's Degree curriculum in 2004.

The Medicine Section offers three 3-year Bachelor Programmes:

- BMed in Human Medicine
- BSc in Biomedical Sciences
- BSc in Sport Science and Motor Control.

In addition, three 1.5-year Master Programmes are offered:

- MSc in Sport Science and Motor Control
- MSc in Experimental Biomedical Research
- MMed in Human Medicine (starting in 2019)

The Department of Biology offers a **BSc in Biology**, a **BSc in Biochemistry**, as well as a **MSc in Biology** with four options (Biochemistry, Cell & Developmental Biology, Ecology & Evolution and Plant-Microbe Interactions) and a **MSc in Bioinformatics and Computational Biology** in a joint programme with the University of Berne (see www.unifr.ch/science/plans/plans_e.php).

Further education at the postgraduate level is offered within the "BENEFRI Neuroscience Doctoral School" comprising the Universities of Fribourg and Berne (www.physio.unibe.ch/benefri/) which offer courses and activities such as workshops for the doctoral students and also exchange of ideas and networking.

The teaching activities of the candidate will mainly focus in the areas of preclinical (1st and 2nd years of study) bachelor of medicine (www.unifr.ch/med/de/studies/med), the BSc in Biomedical Sciences (www.unifr.ch/med/de/studies/bms) and the MSc in Experimental Biomedical Research

(www.unifr.ch/med/de/studies/mscebr). These consist of ex-cathedra lectures, colloquia, problem-based learning as well as other activities such as journal clubs or research events. The candidate will also contribute to teaching in the BSc in Psychology. Some of the teaching is organized by the physiology teaching platform, which also coordinates teaching activities of predoctoral and postdoctoral assistants in neurophysiology practicals.

Research

Research currently conducted in the Medicine Section embraces a variety of topics and encompasses both basic and clinical research, please see [Scientific Report 2015-2016 MED.pdf](#) for details. Neuroscience has a rich tradition in Fribourg and continues to be one of the most vibrant research areas at the University. The University of Fribourg is one of only a few centres in Europe where research into higher mammalian species (non-human primates, Tupaia) is carried out, due to the specialized infrastructure available at our institution. Currently, research activities in this area are part of a cooperation in the area of translational neuroscience with the EPFL and the Wyss Center Geneva, which facilitates collaborative projects and sharing of state-of-the-art infrastructure for systems neuroscience. Integration of the candidate into this collaboration offers numerous opportunities for collaboration or shared use of infrastructure.

In addition to neuroscience colleagues with Medicine Section, there are also numerous colleagues active in

Neuroscience in the Department of Biology, as well as in the Department of Psychology, part of Faculty of Humanities of the University of Fribourg. There are common activities with these colleagues, including research meetings and joint seminars, so that the candidate will find a vibrant scene representing many aspects of modern neuroscience at the University of Fribourg.

Languages

Candidates should be able to communicate in French or German, as well as in English. The University of Fribourg is bilingual. Teaching to students at the Bachelor level – as well as at the level of the Master of Medicine – is in French or in German. Students are expected to understand both languages, but can take their exams in either language. Master of Science and PhD programmes are taught mainly in English. Candidates are expected to have a working knowledge of all three languages or be willing to acquire such knowledge within a few years. They should be able to teach to students in French and/or German.

Administrative structure

The Faculty of Science and Medicine is organized in two sections: a Science Section and a Medicine Section. The Science Section is composed of six departments and one institute, the Medicine Section is composed of five departments and one institute (see <http://www.unifr.ch/science/fr/faculte/organisation>).

The Medicine Section also hosts four teaching platforms, namely Morphological Sciences (Anatomy, Histology and Embryology; 4 professors), Physiology (4 professors), Sport Science (2 professors) and Clinical Medicine (9 professors). Once the Master of Medicine has been implemented, several additional Clinical Professor positions will be filled. The Medicine Section is headed by a head of section (president), who is elected amongst the professors of the departments. Major decisions are taken by the Section and Faculty Councils, which comprise the professorial staff, as well as non-professorial academic, technical and student representatives.

INFRASTRUCTURE, POSITIONS AND FUNDING

Infrastructure

Rooms and facilities

The Professor of Systems Neuroscience and his research Unit will have their offices and laboratories in the PER09 building of the Perolles campus of the University of Fribourg.

Computers

The University's computer service supplies all Departmental members (academic and technical staff) with state-of-the-art PCs or Macs and appropriate office, reference, statistical and graphics software. Specific research software can also be supported for research purposes, and in this case a request to the DIT (Direction Informatics) must be made.

Positions

The new Professor of Systems Neuroscience will receive the following dotation:

- 100% Postdoctoral Fellow
- 100% Predoctoral Fellow
- 100% Technician (at present occupied)
- Access to secretary support (about 20%) shared with some other groups in PER09

For informatics support, the new colleague will have access to the informatics team of Section Medicine and there is also access foreseen to the mechanical and electronics workshop, as well as to a pool of animal care personnel.

Financial support

Set-up funding

- Installation credit for research activities, according to the needs, the usual amounts of the Faculty and the resources available
- Resources for computing material will be at the new professor's disposal

Running expenses

- Participation in the annual credits (operating, equipment, informatics, library)
- Separate credits for teaching activities

CONTACT

Contact for further information:

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