

PROFESSOR POSITION IN MATHEMATICS

The Faculty of Science and Medicine of the University of Fribourg, Switzerland, announces the opening of a position of **Professor of Mathematics**.

GENERAL CONDITIONS

The Faculty of Science and Medicine invites applications for a tenured position of a Professor of Mathematics in the Department of Mathematics. The selected candidate must have an outstanding record of successful independent research in a field of mathematics with strong potential for applications, such as (but not limited to): PDE, dynamical systems, discrete mathematics, applied algebra, mathematical statistics, data science, numerical analysis, scientific computing.

The candidate is expected to develop an internationally recognized research program, supported by a significant amount of external funding. Collaboration with other groups of the department and the faculty is encouraged.

The future appointee is expected to participate actively in teaching at all levels of mathematics, to undergraduate and graduate students from the Department of Mathematics as well as from other departments of the Faculty of Science and Medicine. The candidate should be able to teach in English as well as, at the Bachelor level, in one or both of the official languages of the University, French or German (after an appropriate adaptation period if necessary).

The University strongly encourages applications from women.

APPLICATION PROCEDURE

Hard copies of the following documents should be sent by postal mail to the address below:

1. a covering letter mentioning the position for which the candidate is applying (Professor of Mathematics)
2. a complete curriculum vitae, including a certified copy of the diploma of the highest degree
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 5-6-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 31 October 2019.

Prof. Gregor Rainer
Dean of the Faculty of Science and Medicine
University of Fribourg
Chemin du Musée 8
CH-1700 FRIBOURG
Switzerland

Moreover, an **electronic version of the application** ("**name.pdf**") and PDF versions of the 5 most relevant publications ("**name-papers.pdf**") should be sent by email to the Faculty Administrator at the Dean's Office (franziska.heyne@unifr.ch).

ACADEMIC ENVIRONMENT

Faculty, Sections and Departments

The Faculty of Science and Medicine of the University of Fribourg is a joint faculty consisting of two sections: the Science Section and the Section of Medicine. The future appointee will join the Department of Mathematics, which is one of six departments in the Science Section.

The six departments of the Science section are:

- Mathematics
- Biology
- Chemistry
- Geoscience
- Informatics
- Physics

The Section is led by a president who is elected by the other professors and serves for a 2 year period. Major decisions are taken by the Faculty Council and/or Section Councils, which include teaching staff and student representatives.

Research focus

The Department of Mathematics conducts research in various areas of pure and applied mathematics and currently hosts research groups in Algebra and Geometry, Geometric Analysis, Topology, Combinatorics, Probability and Statistical Mechanics, Applied Probability, Statistics and Mathematical Biology, and Numerical Analysis. See <https://www3.unifr.ch/math/en/research/areas/> for details.

The future appointee will build an independent research group in his/her area of expertise and is expected to actively seek external funding to support his/her research and research group.

Teaching and Languages

Besides the Bachelor, Master and PhD programs in Mathematics, which conform to the Bologna principles, the Department of Mathematics offers service teaching to other curricula in natural sciences. Students at the Bachelor and Master level in Mathematics benefit from the BENEFR program between the Universities of Bern, Fribourg and Neuchatel. PhD students are included in the Swiss Doctoral Program in Mathematics of the CUSO.

The University of Fribourg is bilingual (German and French) and teaching at the Bachelor level is almost exclusively in French and/or German. Students can choose to take their exams in either language. At the Master and PhD levels, classes can be taught in English as well.

The official teaching load of a professor at the University of Fribourg is 6 hours per week (6h x 14 weeks x 2 semesters; a teaching hour consists of 45 minutes lecture time and 15 minutes break). The future appointee will teach service courses, mathematics courses at the Bachelor level as well as advanced courses at the Master level. Candidates must be able to teach in French or German and in English and have colloquial skills in all three languages (after an adequate period of adaptation).

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 three institutes (see <https://www3.unifr.ch/scimed/fr/sci>); the Medicine Section is composed of five departments and one institute (see <https://www3.unifr.ch/scimed/fr/med>).

The Faculty is presided by the dean. Each section is led by a president who is elected by the other professors and serves for a 2-year period. Major decisions are taken by the Faculty Council and/or Section Councils, which include professors, teaching staff and student representatives.

Presently, the Department of Mathematics employs 6 permanent professors that are heading independent research groups. In addition, the department hosts one junior professor, funded by the Swiss National Science Foundation, who also leads his own research group.

INFRASTRUCTURE AND FUNDING

Department and location

The Department of Mathematics is located in two dedicated buildings on the Pérolles campus of the University of Fribourg and is within short walking distance to the other buildings of the Faculty of Science and Medicine. The Pérolles campus also hosts the School of Engineering and Architecture and the Adolphe Merkle Institute, which focuses on research in the domain of soft nanomaterials. The future appointee will have access to the infrastructure of the Department of Mathematics and of the Faculty of Science and Medicine.

Computers

The University's computer service supplies all Departmental members with state-of-the-art PCs or Macs and the necessary software. Specific research software may also be provided for research purposes.

Financial support

The successful candidate has access to the department's pool of one state funded postdoctoral position and six state funded PhD positions as well as to the department's secretary. The appointee is expected to actively seek external funding to support his/her research and research group.

For more information about working at the University of Fribourg please consult

<https://www3.unifr.ch/sp/en/attractive-employer/working-at-the-uni.html>

CONTACT

Contact for further information

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