

## Medical Sciences

---

### Degree conferred

Scientiarum doctor in scientiis medicinae / Doctor of Philosophy in Medical Sciences (PhD)

### Commencement of studies

An application for admission may be submitted at any time.

### Regulation

<http://studies.unifr.ch/go/Pm-6g> (French and German only)

### Application procedure

#### Candidates with Swiss qualifications

<https://studies.unifr.ch/go/Uj3b4>

#### Candidates with foreign qualifications

<https://studies.unifr.ch/go/2KPbe>

---

## Fribourg profile

The Medicine Section offers doctoral programmes in various domains of the biomedical research. Students are affiliated to one of the research groups of our Section and in addition may attend an organised programme of lectures, seminars and other activities. See for example: BeNeFRi Programme *Neuroscience*.

All details concerning the present research activities of each group, the available PhD positions and the contact addresses can be found in the websites of each group (see Contact).

### Department of Neurosciences and Movement Science (NMS)

- **Dr L. Spierer**  
Laboratory for cognitive and neurological sciences
- **Prof. J.-P. Bresciani**  
Perception and control of movement
- **Prof. M. Schmid**  
Optovision - perceptual brain circuits and plasticity
- **Prof. G. Rainer**  
Visual cognition laboratory
- **Prof. W. Taube**  
Motor control and motor learning
- **Prof. M. Prsa**  
Sensorimotor Neuroscience
- **Prof. A. von Philipsborn**  
Neuronal circuits and behavior
- **Prof. S. Durrleman**  
ABCCD - Autism, Bilingualism, Cognitive and Communicative Development
- **Prof. P. Boya**  
Autophagy in neurons

### Department of Endocrinology, Metabolic science and Cardiovascular System (EMC)

- **Profs. S. Cook and M. Togni, Dr M.-N. Giraud**  
Translational and clinical cardiology
- **Prof. D. Hoogewijs**  
Molecular oxygen sensing and physiology
- **Prof. A. Lauber-Biason**  
Molecular endocrinology
- **Prof. Z. Yang**  
Cardiovascular and aging research
- **Dr Y Ravussin**  
L.E.A.N.: Laboratory of Energetics and Advanced Nutrition

### Department of Oncology, Microbiology and Immunology (OMI)

- **Prof. L. Filgueira**  
Cell biology, immunology and clinical anatomy
- **Prof. P. Nordmann**  
Molecular and medical microbiology: emerging antibiotic resistance unit
- **Prof. C. Rüegg**  
Experimental and translational oncology
- **Prof. C. Szabo**  
Hydrogen sulfide signaling in health and disease
- **Prof. J. Stein**  
Cell biology of the adaptative immune system
- **Prof. M. Walch**  
Immunology and infectious diseases

### Department of Medical-Surgical Specialties (MSS)

- **Profs. B. Egger and L. Bühler, Dr C. Gonelle-Gispert**  
Surgical Research unit
- **Prof. M. Tannast**  
Orthopedics surgery and traumatology
- **Prof. A. Curioni**  
Overcoming resistance to immunotherapy & Developing new therapies for mesothelioma patients

### Department of Medicine and Public Health (MPH)

- **Prof. A. Chiolero, Dr S. Cullati, Dr C. Carmeli**  
Population Health
- **Prof. G. Hasler**  
Psychiatry Research
- **Prof. D. Inta**  
Biological psychiatry

## Studies organisation

### Structure of studies

ECTS credits can be earned.

### Doctoral school

<http://studies.unifr.ch/go/phd-benefri-neuroscience>  
<https://ssphplus.ch/en/graduate-campus/>  
<http://studies.unifr.ch/go/phd-fglm>

### Admission

In order to be admitted to a doctorate the candidate must have been awarded an academic **bachelor's and master's degree** or an equivalent qualification from a university recognised by the University of Fribourg.

Before applying for a doctorate the candidate must contact a **professor** who would be willing to supervise the thesis work.

There is **no general right** to be admitted to a doctorate.

*The respective conditions of admission for each doctoral study programme are reserved.*

## Contact

Faculty of Science and Medicine  
Medicine Section

<https://studies.unifr.ch/go/en-medicine-research>

## Doc- Postdoc-portal

<http://www.unifr.ch/phd>