

Research Scientist in Ultra-Low Field MR Imaging

Location: Lausanne University Hospital (CHUV), Switzerland

Dates/Duration: 1 year

Activity rate: 80%-100%

The [CIBM MRI CHUV-UNIL Translational MR Imaging Section](#) led by **Prof. Matthias Stuber** is looking for an outstanding candidate for a post-doctoral position to kick-start a new initiative in the domain of ultra-low field magnetic resonance imaging.

MAIN DUTIES and RESPONSIBILITIES:

- Manage and develop the MRI “low field” translational activities within the CIBM MRI CHUV-UNIL Section.
- Complete grant applications and manage funds.
- Supervise Master and PhD students.
- Participate in the management of the CIBM MRI CHUV-UNIL Section.
- Manage the dissemination of the results and collaboration with industry.



PROFILE:

- PhD in physics, biomedical engineering, electrical engineering, computer engineering, life sciences or equivalent, with MRI as main subject of studies.
- Post-doctorate research experience in MRI as well as experience in the development of pulse sequences and in the field of artificial intelligence
- Demonstrate knowledge in:
 - Creation and management of MRI projects.
 - Supervision of graduate students (Master and PhD students).
 - Siemens sequence programming in IDEA language.
 - Data processing with Matlab, ImageJ, etc.
 - MR image reconstruction with Compressed Sensing, Machine Learning, Low Rank, etc.
- Proficient in English, both verbal and in writing.
- Flexible and adaptive to working hours depending on the availability of MRI equipment (occasionally during evenings and week-ends).

WE OFFER:

- A dynamic, interdisciplinary, and international team of very motivated people.
- A stimulating working environment based in a clinical setting in Lausanne, Switzerland.
- Participation in one of the world's leading transitional cardiovascular MRI efforts.
- Access to cutting-edge technology and state-of-the-art resources.

How to apply: Please apply via the link below **by March 21st, 2021.**

[Post-Doctorant-e pour la Section CIBM IRM CHUV-UNIL \(06755-MT-211-2021\)](#)

Should you have any question on the position, please contact Prof. Matthias Stuber, Head of the CIBM MRI CHUV-UNIL Section Matthias.Stuber@chuv.ch

About CIBM

The CIBM Center for Biomedical Imaging was founded in 2004 and is the result of a major research and teaching initiative of the partners in the Science-Vie-Société (SVS) project between the Ecole Polytechnique Fédérale de Lausanne (EPFL), the Université de Lausanne (UNIL), Université de Genève (UNIGE), the Hôpitaux Universitaires de Genève (HUG) and the Centre Hospitalier Universitaire Vaudois (CHUV), with the generous support from the Fondation Leenaards and Fondation Louis-Jeantet.

CIBM brings together highly qualified, diverse, complementary and multidisciplinary groups of people with common interest in biomedical imaging.

We look forward to welcoming you to the CIBM Community.