

Biologist / veterinarian

Location: EPFL, Lausanne
Start Date: May 1st 2023
Duration: 1 year, renewable

The CIBM MRI EPFL Animal Imaging and Technology Section is recruiting a biologist/veterinarian to work at 100% as part of the existing team in charge of animal experimentation support for rodent MRI, PET and EPR biomedical imaging. For more details on CIBM's infrastructure please visit our website [Resources & Equipments - CIBM | Center for Biomedical Imaging](#)

Main duties and responsibilities include:

- Preparation and review of standard operating procedures with researchers (e.g., anesthesia, analgesia, blood sampling or surgery)
- Perform rodent microsurgery: vein (e.g., mouse and rat tail vein, femoral vein, jugular vein) and artery catheterization, intubation, blood sampling and tissues harvesting.
- Rodent craniotomy for experimental manipulations
- Preparation, physiology monitoring and follow-up, longitudinal blood sampling/analysis of rodents during MRI and PET experiments
- Prescription and monitoring of necessary medications and maintenance of animal health records
- Perform basic MRI, behavioral, PET experiments and sample preparations for MRI if requested
- Develop new protocols, preclinical models in close collaboration with researchers based on their needs
- Maintenance of the equipment in the preparation rooms, animal facility and breathing gas supplies
- Analyze solutions for upgrading the lab equipment to increase lab efficiency and animal welfare
- Work closely with researchers in preparing animal licenses and reports; assisting investigators with animal model selection, study design, protocol development, etc.
- PyRat follow up
- Training of new collaborators

Your profile:

- A Master or PhD degree in Biology or a Federal diploma of veterinary doctor (or recognized in the European Union)
- Working knowledge of laboratory animal husbandry and facilities
- Knowledge of anesthesia/analgesia protocols, action and administration (right combination to reach both anesthetic and analgesic effects)
- Keen sense of observation of the animals and their well-being
- Thoroughness and organizational skills
- Good interpersonal skills and an interest in a variety of activities in a dynamic scientific environment
- Ability to work in a team and also independently
- Good knowledge of oral and written English and French

We offer:

- A dynamic, interdisciplinary, and international team of very motivated people.
- A stimulating working environment.
- Access to cutting-edge technology and state-of-the-art resources.

How to apply:

Please apply online at the following link <https://recruiting.epfl.ch/Vacancies/2892/Application/New/2>

About CIBM

cibm.ch

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 welcome you in joining the CIBM Community.**

About EPFL

epfl.ch

EPFL, the Swiss Federal Institute of Technology in Lausanne, is one of the most dynamic university campuses in Europe and ranks among the top 20 universities worldwide. The EPFL employs more than 6,000 people supporting the three main missions of the institutions: education, research and innovation. The EPFL campus offers an exceptional working environment at the heart of a community of more than 16,000 people, including over 12,000 students and 4,000 researchers from more than 120 different countries.