



Job Description

Title: Preclinical Research Associate for Neurotechnology Applications

Position: Permanent (100%) – available immediately

Posted on: 30th April 2021

Location: Wyss Center for Bio and Neuroengineering, Campus Biotech, Geneva Switzerland

About the Wyss Center for Bio and Neuroengineering, Geneva, Switzerland

The Wyss Center is an independent, non-profit research and development organization that advances our understanding of the brain to realize therapies and improve lives. The Wyss Center staff, together with the Center's academic, clinical and industrial collaborators, pursue innovations and new approaches in neurobiology, neuroimaging and neurotechnology.

The Wyss Center advances reveal unique insights into the mechanisms underlying the dynamics of the brain and the treatment of disease to accelerate the development of devices and therapies for unmet medical needs. The Center was established by a generous donation from the Swiss entrepreneur and philanthropist Hansjörg Wyss in 2014. Additional resources from funding agencies and other sources help the Wyss Center accelerate its mission.

About the Position

We are seeking a **Preclinical Research Associate** to join our growing, international team of scientists, clinicians and engineers. The individual will work both independently and collaboratively at the Wyss Center to design and conduct preclinical studies involving wearable and implantable neuro-sensing and neuromodulation devices that collect and transmit real-time neural signals in a wide range of human applications.

Key responsibilities:

In his/her position, the **Preclinical Research Associate** will:

- Design and conduct non-clinical testing (on the bench and in vivo) that involves advanced wearable and implantable technologies being developed at the Wyss Center
- Perform routine non-clinical procedures and measurements, and record/document research data in compliance with study protocols
- Develop experimental methods and study protocols in compliance with Good Laboratory Practices (GLPs) and Standard Operating Procedures (SOPs) and practices
- Perform preclinical study preparation activities including experimental room set-up and calibration of equipment
- Use and improve automated data analysis tools for data inspection, post-processing and modeling
- Communicate methods and results within the Wyss Center and to project collaborators
- Be an active member of the Wyss Center's technical team and collaborate closely with its scientists, engineers, product managers, as well as academic and clinical collaborators
- Stay current on scientific trends and innovation, and scientific literature
- Critically assess and contribute to the development of recommendations for experimental design based on evidence
- Help drive a dynamic, collaborative and translation-focused culture at the Wyss Center





The ideal candidate should be flexible and open to working with a variety of non-clinical models, eager to apply his/her skills to solve problems and ready to accept challenges.

Required competence and experience:

- MSc in Neuroscience or in Biology or a related discipline such as systems neuroscience, behavioral neuroscience, with a solid background in data acquisition devices used in electrophysiology or other modalities
- At least 5 years (BS) or 3 year (MS) of work experience in an industrial or academic setting
- Strong experience with non-clinical study design, protocol writing and execution preferably with emphasis on large models
- Laboratory training (LTK Module 1, 20 or equivalent)
- Experience with data analysis methods, including close familiarity with a programming language such as Python and MATLAB
- Experience in scientific reporting (writing research articles, R&D reports etc)
- Experience in non-clinical studies for medical devices or in-vitro diagnosis medical devices is a plus
- Familiar with quality assurance procedures and international standards is a plus
- Excellent organizational skills with the ability to multitask and coordinate the activities of a multidisciplinary team
- Aptitude for innovation, willingness and ability to drive change, passion for quality and continuous improvement
- Results oriented, with a strong sense of ownership, urgency, and drive
- Willingness to frequently travel within Switzerland or abroad
- Excellent communication and presentation skills
- Fluent in English; proficiency in French a plus

To apply, please send your **CV and cover letter** describing your qualifications, background and interest in this position to HR@wysscenter.ch no later than **24th May 2021**.

