

Job Description

Title: Technical Project Leader – Epios project

Posted on: 23rd March 2021

Duration: 2 years fixed term, with the possibility to join the Epios start-up

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

Availability: This position is available **immediately**

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 Epios project

The Epios project is in the field of neurotechnology and active implantable medical devices and resides within the 'translation to market' portfolio at the Wyss Center. The Epios team has designed a unique subscalp, minimally invasive, electroencephalography (EEG) system for the long-term monitoring (months) of brain signals in everyday environments. With this system, the Wyss Center is pioneering a new modality in brain monitoring: subscalp EEG, targeted first for people with epilepsy and subsequently for people with other neurological disorders. The team is completing development, verification, and validation activities, to enable the imminent start of a pivotal clinical trial. In parallel, a company is under incorporation with the mission to bring Epios to the market as a solution for refractory epilepsy patients. For more information: <https://wysscenter.ch/advances/epios-brain-monitoring>

About the Position

The **Technical Project Leader - Epios project** will lead the medical device development and R&D activities of the Epios project, towards successful pivotal clinical trials and translation of the solution to the clinic/market. The individual will report directly to the Wyss Center's Chief Technology Officer. In the future, the individual will have the unique opportunity to join the Epios start-up with a key role.

Key responsibilities

- Lead the Epios project team and related R&D activities at the Wyss Center, including the development, verification, and validation of the Epios medical device system towards successful clinical trials
- Lead technical and project operations such as product roadmap and innovation, testing plans, grant submissions, contract negotiations, financial tracking etc
- Collaborate with engineers, scientists, clinicians, faculty, entrepreneurs, and industry to leverage and integrate various disciplines and capabilities to the Epios project

- Effectively manage external collaborators and suppliers involved in the Epios project
- Build and maintain technical documentation for Epios devices and/or software
- Work closely with the quality and regulatory affairs team at the Wyss Center to define regulatory strategy, identify applicable standards and assess the impact of new standards on the Epios project
- Work closely with the Center's clinical team to coordinate planning and successful execution of the Epios clinical trials
- Communicate and collaborate effectively with various stakeholders at the Center to address operational challenges and reach strategic decisions
- Participate and present Epios at internal and external events, conferences, and seminars
- Beyond the immediate Epios project responsibilities, the successful candidate will be an active member of the Wyss Center community, contributing intellectually to other projects and initiatives at the Center, providing mentorship and vision to colleagues around the organization

Required competence and experience:

- MSc or PhD in Engineering, Neuroengineering or related discipline with at least 5 to 10 years of work experience in an industrial setting or experience in translational, academic-industrial partnerships
- Experience with medical devices with an electrophysiological aspect is a must
- Experience with neurotechnologies is a plus (neurosensing/neuromodulation)
- Experience in technical project management, with a focus on delivering results while meeting budgets and timelines
- Proven technical leadership skills, and ability to coordinate the activities of a multidisciplinary team
- Experience in design and development of medical devices, including verification and validation activities
- Experience with risk management process, familiarity with tools such as FMEA
- Experience with ISO 13485, with European regulations (e.g. MDR), and FDA regulations and guidance
- Familiarity with Class III medical device development is a plus
- Ability to build and maintain the technical documentation of a medical device system
- Strong English communication, written and spoken; French is a plus
- Open-minded team player, creative, with a positive mindset
- Solution-oriented, reliable problem solver, and stress resistant
- Fast learner, enthusiastic, curious with an entrepreneurial spirit
- Up to 20% travel expected (post Covid)

To apply, please send your C.V. and a covering letter to HR@wysscenter.ch. Applications to be received by April 18, 2021.