Job Description

Title: Lab Technician
Position: Permanent (100%)
Posted on: 15 February 2022
Location: Wyss Center for Bio and Neuro Engineering, 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 Wyss 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
The Lab Technician will join the Center’s technology team which designs and develops innovative medical devices and technologies for diverse human applications, ranging from novel long term active implantables, to next generation encapsulation technologies and photobiomodulation approaches. The role involves being responsible for all lab equipment and performing various development support tasks ranging from fabrication to testing. In this role, you will collaborate with members from the internal team including mechanical, electrical, and quality assurance engineers, biologists, and neuroscientists as well as external parties including contract calibration providers and equipment manufacturers.

Key responsibilities:
As the Lab Technician, the successful candidate will be responsible for all equipment, including those that are critical to successful development of medical devices. He/she will own tasks ranging from identification of new mechanical, electrical, optical, laser or metrology equipment, performing routine maintenance, managing calibration of equipment, fabrication of concepts and custom test fixtures, and bench testing of prototypes. More specifically, he/she will:

- Be responsible for all maintenance, storage, and documentation of all mechanical, electrical, and metrology equipment in the technology laboratories at the Wyss Center, in accordance with ISO 13485 requirements and Wyss standard operating procedures
- Manage the calibration of equipment as needed, either by performing calibration or working with a contract calibration service, in accordance with ISO 13485 requirements and Wyss standard operating procedures
- Fabricate concepts and custom test fixtures using the lab equipment, including 3D printing, CNC machining, laser welding, casting, soldering, etc. (and outsource to external services if applicable)
– Perform bench testing of concepts and prototypes
– Work with mechanical, electrical, optical and quality engineers as well as biologists and neuroscientists to develop innovative medical devices
– Support verification activities and transfer designs to external production and clinical grade manufacturing partners
– Manage inventory of common lab supplies and consumables
– Write equipment guides and procedures
– Train internal and external staff to use equipment

This position reports directly to a manager in the Mechanical Engineering team.

**Required competence and experience:**
– Advanced Federal Diploma of Higher Education in Microengineering, Mechanical Engineering, Electrical Engineering or equivalent (technicien·ne diplômé·e ES)
– At least 3 years’ experience working with mechanical, electrical, and metrology equipment in a laboratory or professional setting
– Experience performing routine maintenance of mechanical, electrical, biological, and metrology equipment
– Hands-on experience with development, fabrication and testing
– Good knowledge of precision manufacturing and assembly processes
– Aptitude for innovation, passion for quality and continuous improvement
– Results oriented, proactive problem-solving attitude with strong sense of ownership, urgency, and drive
– Excellent documentation and communication skills
– Good autonomy and initiative level
– Fluent in English, French is a plus

**Preferred Qualifications:**
– At least 3 years working within the medical device or another regulated environment
– Experience performing calibration of equipment
– Experience working with engineers and biologists on conceptual design and product development

This position is available **immediately**

**To apply, please send your CV and covering letter describing your qualifications, background and interest in this position to HR@wysscenter.ch no later than 07 March 2022.**