



## Job Description

**Title:** Microscopy Technician

**Posted on:** 24 June 2021

**Availability:** This position is available **immediately**

**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**

The **Microscopy Technician** will work both independently and collaboratively as a member of the Wyss Center to operate and maintain microscopes at the Wyss Center's Advanced Light microscopy facility ([ALiCe](#)). He/she will be responsible of quality assessment, assistance, and maintenance of the microscopes and image analysis systems. The Microscopy Technician will also work in collaboration with image software developers to integrate novel analysis techniques in imaging pipelines and will support the training of researchers on microscopes and image analysis platforms. The Microscopy Technician will contribute to Wyss Center's projects including collaborations with external academic partners and will support the delivery of microscopy imaging services to the community at Campus Biotech. This position reports to the Advanced Light Microscopy Facility Manager.

### **Key responsibilities:**

- Operate custom and commercial microscopes to support Wyss Center projects and collaborations, and the delivery of services to Campus Biotech users
- Perform routine maintenance of the systems by carrying out quality assessments and calibrations, to ensure reproducibility of imaging experiments
- Integrate analysis techniques in imaging pipelines and support the access of researchers to such tools
- Maintain effective communication with suppliers and ensure timely completion of repair and maintenance services
- Troubleshoot technical issues arising with custom microscopes and commercial microscopes
- Support the training of researchers on the use of microscopes and image analysis software



**Requirements:**

- Degree in Biophysics, Biophotonics, Optical Engineering, or related field with a minimum of 3 years' experience
- Solid background in fluorescence microscopy, expert knowledge of the most common fluorescence microscopy techniques and hands-on experience on imaging biological samples
- Ability to understand and operate the hardware and software components of light microscope systems
- General knowledge and experience with image processing and analysis (ImageJ, Python, Labview, MATLAB, etc.)
- Ability to remain productive, organized, and flexible in a very dynamic environment
- Excellent problem-solving skills and attention to detail
- Demonstrated experience as a self-starter and fast learner both independently and within a team
- High organization skills
- Ability to communicate experimental results effectively in both informal and formal meetings
- Ability to work as part of a team and with external collaborators
- Previous experience with running and/or working in a multiuser fluorescence microscopy facility is strongly preferred
- English written and spoken, French a plus
- Programming skills are a plus

**To apply, please send your CV and cover letter to [HR@wysscenter.ch](mailto:HR@wysscenter.ch) no later than July 23<sup>rd</sup> 2021.**