

Job Description

Title: Research Scientist

Position: Fixed-term contract 2 years

Posted: 14.08.2025 with an expected start date of 01.12.2025

Location: Geneva, Switzerland

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

The Wyss Center is an independent not-for-profit translational R&D and venture builder organization focused on advancing disruptive neurotechnologies to transform the lives of people with neurological and mental health disorders. The Center pursues transformational technologies in artificial intelligence, bio- and neuroengineering to restore essential neural functions and deliver precision therapeutics for people with debilitating neurological and mental health disorders.

Based at Campus Biotech in Geneva, Switzerland, the Wyss Center partners with universities, academic health systems, and health-tech companies, in Switzerland and internationally, to drive innovation, build ventures, and maximize clinical impact. The Wyss Center was established by a generous donation from the Swiss entrepreneur and philanthropist Hansjörg Wyss in 2014.

About the Position

The Wyss Center is seeking a highly motivated and skilled **Research Scientist** with expertise in spatial biology (immunostaining, RNA FISH, spatial transcriptomics, and spatial proteomics) and advanced imaging, to work on an interdisciplinary project focused on developing new automated methods for 3D tissue profiling. The successful candidate will work closely with a team of scientists and engineers to establish 3D workflows for spatial profiling of large tissue volumes.

The ideal candidate is highly collaborative, intellectually curious, and adaptable professional with a PhD or Master's degree in a relevant field (e.g., Life Sciences, Bioengineering, Biology, Chemical Biology) with a can-do attitude motivated by technical and scientific challenges. He brings a strong foundation in scientific or technical knowledge, paired with excellent interpersonal and project coordination skills. This role requires working effectively within a matrix organization, engaging with colleagues from cross-functional teams.

He/she will report directly to the Center's Director of Neuroimaging.

Key responsibilities

In their position, the Research Scientist will have a broad set of responsibilities which includes:

- Establish, implement and optimize novel multiplexed 3D RNA and protein labelling techniques for large tissue volumes.
- Plan, execute, and document experiments, including tissue processing, clearing, and spatial multiomic assay.



- Perform advanced imaging using confocal and lightsheet microscopy, and contribute to the optimization of imaging pipelines.
- Collaborate closely with R&D engineers to transfer manual protocols to automated systems.
- Continuously troubleshoot to improve the robustness, reproducibility, and overall performances of protocols.
- Provide continuous feedback to guide improvements of the automated platform.
- Collect and analyze experimental and imaging data. Present results in regular reports and meetings.
- Facilitate effective communication between project partners, ensuring alignment on goals, timelines, and deliverables.

Required competence and experience:

- PhD in Life Sciences, Bioengineering, Biology, Chemical Biology, or related field, or MSc with 2+ years of experience in relevant role.
- Extensive hands-on experience in tissue processing and stainings techniques, including immunofluorescence assays and in situ hybridization assays
- Extensive experience in biological and chemical assay optimization and troubleshooting
- Strong experience with fluorescence imaging, experience with lightsheet microscopy is a plus
- Excellent knowledge of spatial transcriptomics and spatial proteomics technologies.
- Experience with large tissue staining and tissue clearing is a plus.
- Openness to work with cutting-edge prototypes
- Experience in image processing and data analysis is a strong plus.
- Ability to work in an independent manner, while contributing effectively to a collaborative team environment
- Efficient, flexible, and goal-oriented, with strong organizational and time management skills
- Fluency in oral and written English (C1) is a must, French is a plus

To apply, please send your CV and cover letter to HR@wysscenter.ch no later than 31.08.2025.

