**Title:** Research Scientist – Spatial transcriptomics methods  
**Position:** Full time  
**Posted on:** 14th January 2022  
**Location:** Wyss Center for Bio and Neuroengineering, Campus Biotech, Geneva Switzerland

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**About the Wyss Center for Bio and Neuroengineering**

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.

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**Job description**

The Research Scientist will contribute to the development of new spatial transcriptomics methods which will lead to step growth improvements over current techniques and enable the analysis of thick pieces of neural tissue. He/she will be part of a team of neurobiologists and brain imaging experts and will work in a brand-new laboratory equipped with state-of-the-art research tools. Success in this project area can potentially open doors to translation trajectories.

**Key responsibilities**

The candidate is expected to perform several hands-on lines of research within the context of the research goal including:

- Generating cDNA libraries within tissues and isolating them for NGS
- Performing iterative biochemical reactions within tissues to uncover molecular identities
- Comparing new methods with current state of the art

The candidate will contribute to patents and manuscripts for publication as well as present research findings at conferences and within the Wyss Center community. He/she will act as a mentor to more junior staff or staff from different disciplines, contributing to the collaborative culture of the Center.

This position reports directly to our Chief Scientific Officer.
Requirements
We are looking for an excellent candidate with expertise in new methods development pertaining to spatial transcriptomics. A high level of motivation, independence, teamwork capacity and curiosity are required as well as fluency in English (oral and written).
- PhD degree in a relevant field such as Biochemistry, Genetics, System Biology, Bioengineering, etc.
- 3+ years of relevant research work
- Experience in RNAseq pipeline, from sample preparation to data analysis
- Core experience in nucleic acid based technologies and processes
- Familiarity with current spatial transcriptomics technologies including capture-based (Visium, Slide-seq, Stereo-seq, etc.) and fully in situ methods (MERFISH, seqFISH, STARmap, ExSeq, etc.)
- Strong track record of biotechnology methods development
- Basic familiarity with fluorescent microscopy
- Aptitude for innovation, willingness and ability to drive change, 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, ability to interact at all levels of the business
- Work autonomously with good initiative

Preferred Qualifications
- Experience with brain tissue and basic neuroanatomy knowledge
- Experience with modern tissue processing techniques such as hydrogel embedding and clearing
- Experience with immunohistochemistry
- For candidates with PhD’s, postdoc experience is a plus
- Fluent in French is a plus

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 the 28th of February 2022.