



WYSS CENTER

## Job description

**Title:** Junior research scientist - Transcriptomics

**Position:** Full time

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

### 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.

### Job description

The Research scientist will develop a project of transcriptomics to uncover early biomarkers in neurodegenerative diseases by contributing to ambitious collaborative projects between the Wyss Center and its academic and industrial partners.

### Key responsibilities

The candidate is expected to perform several lines of research including:

- Single cell patch-seq and spatial transcriptomics in mouse brain slices.
- Analysis of the transcriptomic databases obtained in house.
- Combined analysis of internal and external (from the literature) databases.

The candidate will contribute to manuscripts for publication and present research findings at academic conferences and within the Wyss Center community.

### Requirements

We are looking for an excellent candidate with a PhD in neurosciences with computational biology/bioinformatics expertise. The junior research scientist should have sufficient "bioinformatic" - ideally R - background interest and competences to be initially trained and then further develop her/his analytical competence independently. In addition, the scientist should have a clear combined biological interest/competence in neuroscience including experimental capacities. Strong expertise in molecular biology is an important plus. High level of motivation, independence, teamwork capacity and curiosity. Fluency in English (oral and written).

To apply, please send your CV, a cover letter, letters form two referees to [HR@wysscenter.ch](mailto:HR@wysscenter.ch) no later than November 26<sup>th</sup>, 2021.