



# WYSS CENTER

## Job description

**Title:** Junior research scientist - Brain Connectomics

**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 new methods to study brain connectomics based on viral tracing and barcoding and will contribute to collaborative projects between the Wyss Center and its academic and industrial partners.

### Key responsibilities

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

- Generate the barcode library (molecular biology)
- Run the pilot experiments (*in vivo* brain stereotaxis).
- Generate the genomic single cell library using 10X genomic protocols.

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 molecular biology expertise. The junior research scientist should have combined biological interest/competence in neuroscience and molecular biology allowing barcode library construction. She/he should have an exceptional interest in molecular engineering and testing new genomic tools. 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.