

Postdoctoral Associate or Associate Computational Biologist, Smillie Lab

The [Smillie Lab](#) is seeking highly motivated, independent, and creative people with dry or wet lab expertise to join our team. We are a new research group at Massachusetts General Hospital and the Broad Institute that uses genomics to study the human microbiome and mucosal immunity. Past work has focused on recent evolution of the human microbiome (Nature, 2011), single-cell genomics of the human colon during health and IBD (Cell, 2019), and single-nucleus mapping of the enteric nervous system (Cell, 2020).

Specific areas of interest include:

- The evolution of the human microbiome in health and disease
- Single-cell and spatial transcriptomics methods to study host-microbiome interactions
- The enteric nervous system and neuro-immune communication
- Gut and lung biology, cell-cell interactions, and tissue circuits

We are looking to build a collaborative, rigorous, and fun research environment with strong connections between wet and dry labs. Bench scientists can receive training in genomics and computational biology, while computational scientists can work closely with wet lab biologists. All scientists will benefit from extensive collaborations at MIT, Harvard, and the Broad Institute.

Requirements:

Qualified candidates should have:

- Degree in Computer Science/Engineering, Bioinformatics, Biostatistics, or a related field
- Comfort and experience with programming for biological data analysis
- Strong publication record and excellent communication skills
- Independence, creativity, and ability to work well with others

How to apply:

Please send your CV and a brief description of your research interests to Chris Smillie (csmillie@broadinstitute.org).