Research Assistant Position in Biology/Neuroscience Nedivi Lab, MIT

While bipolar disorder is common and debilitating, there are no objective diagnostic tools for BD, and current treatments are inadequate. In the Nedivi lab, we investigate the contribution of human genetic variations in the SYNE1 gene (a BD-associated risk gene) to bipolar disorder diagnosis and treatment responses. We utilize techniques in human genetic variation mapping in bipolar patients in combination with in vitro reporter testing. Our ultimate goal is to apply this knowledge in precision health medicine in which patient genetic profiles can be used to assist in determining the risk for BD and for the diagnosis and treatment management.

We are looking for a research assistant to join our team to work on this exciting project.

Qualifications for this position:

- Bachelor's degree in biology or related field (e.g., biochemistry, neuroscience)
- Prior experience with cell culture and/or biochemical assays
- Ability to work independently and as part of a team

Experience with the following would be an advantage:

• Primary neuronal culture, reporter assays, molecular biology, genetics, bioinformatics

Logistics:

- Position start date: June, 2022
- 2-year commitment



Human SYNE1 gene is a large gene comprising 145 exons (small blue vertical lines). The purple filled circle at the top is the lead BD-association SNP (single nucleotide polymorphism), and colored circles mark variants that are in linkage with the lead SNP (Rathje et al., 2019).

Find more info about the Nedivi lab at nedivilab.mit.edu

To apply, contact Baovi Vo at <u>baovivo@mit.edu</u>. Include CV/resume with your cover letter.