



HHMI



## Research Opportunity in Drug Discovery

A RESEARCH ASSISTANT position in fundamental biochemistry and drug discovery is available in the laboratory of Dr. Vamsi Mootha, located at Massachusetts General Hospital and the Broad Institute. The laboratory is also part of Harvard Medical School and the Howard Hughes Medical Institute. This position is a rare opportunity to be part of a dynamic team consisting of experts in biochemistry, computational biology, and clinical medicine focused on mitochondrial biology. We are seeking a highly motivated research assistant who will assist with the development and execution of high-throughput chemical screens to identify new treatments for mitochondrial disorders. The technician will work closely with senior colleagues on mammalian cell-based chemical screening, lead compound optimization, and testing in zebrafish models of disease. We are looking for a highly motivated, enthusiastic, and organized individual who can thrive in a fast-paced environment. Technical skill, attention to detail, and excellent communication skills are a must. Preference will be given to applicants willing to commit to a two year term. There will be ample opportunities for co-authorship on high-impact papers.

### Qualifications:

- Bachelor's degree in biology, chemistry, or related field
- 1 to 2 years of laboratory experience preferred, ideally in biochemistry or molecular/cellular biology utilizing mammalian cell model systems.
- Facility with computers and standard data analysis tools
- Excellent organization and communication skills
- Ability to work in teams

### General duties:

- Work with senior staff to develop and optimize mammalian cell-based screening assays.
- Assist in the execution of high-throughout drug screens, follow-up studies, and testing in zebrafish models of disease
- Prepare, order, and maintain stocks of necessary reagents, solutions and supplies.
- Analyze experimental data and identify methodological problems. Adjust experimental protocols to ensure project completion in a timely fashion.
- Document, compile, and assist with interpreting experimental data. Report data to supervisor and team.
- Attend weekly team meetings to present results, plan projects and experiments, and to ensure that projects support current team goals in a dynamic environment.
- Consult with other senior scientists or scientific literature as needed.

Please contact Dr. Scott Vafai at [vafai@molbio.mgh.harvard.edu](mailto:vafai@molbio.mgh.harvard.edu) for further information.