

## Available Postdoc Position

# RUA

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<b>Position ID Number</b>	100019
<b>Supervisor Name</b>	Venkatesh Murthy
<b>Supervisor Title</b>	Raymond Leo Erikson Life Sciences Professor in Molecular & Cellular Biology
<b>Phone Number</b>	
<b>Supervisor Email</b>	vnmurthy@fas.harvard.edu
<b>Lab Website</b>	<a href="https://vnmurthylab.org/">https://vnmurthylab.org/</a>
<b>Affiliated Institution</b>	Harvard University
<b>Contact Name</b>	
<b>Contact Title</b>	
<b>Contact Email Address</b>	
<b>Contact Phone Number</b>	
<b>Date of Best Consideration</b>	12/31/22
<b>Application Close Date</b>	12/31/22
<b>Anticipated Start Date</b>	12/31/22
<b>Job Website</b>	<a href="https://academicpositions.harvard.edu/postings/11046">https://academicpositions.harvard.edu/postings/11046</a>
<b>Job Location</b>	Cambridge, MA
<b>Is remote work possible?</b>	No
<b>CIP Codes</b>	26 - Biological and Biomedical Sciences 40 - Physical Sciences

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## Job Description

The laboratory of Dr. Venkatesh Murthy at Harvard University is looking for a Postdoctoral Fellow in Cambridge, MA. The Murthy lab is interested in understanding the neural and algorithmic basis of sensory-guided behaviors in terrestrial animals. To this end, we have developed behavioral tasks in mice using stimuli and situations that approximate natural settings, while allowing electrophysiological recordings, high-resolution optical imaging and optogenetic manipulation. We record neural activity in behaving mice using electro- or optophysiological methods and relate them to behavioral features, and attempt to discern the computational algorithms underlying these behaviors. More information can be found on our website: <http://www.vnmurthylab.org/>

The Postdoctoral Fellow will have the opportunity to investigate the algorithmic basis of sensory-guided behavior, with a focus on using naturalistic experimental settings for investigating odor-guided navigation in mice. Research will be performed in an interdisciplinary collaboration with computational neuroscientists and physicists. We are particularly interested in scientists with

## Required Qualifications

A Ph.D. is required. Ph.D. students in the final year of their thesis work are eligible to apply. Specific degree areas include but are not limited to neurobiology, systems biology, organismal biology, bioengineering, molecular biology, biophysics or physics.

### Desired Qualifications

**Minimum Monthly Salary** \$0

**Maximum Monthly Salary** \$0

### Special Instructions for Applicants

**Opportunities for teaching?** No

**Opportunities for supervision/mentoring?** Yes

**Opportunities for community outreach?** No

**Position keywords** neurobiology sensory-guided computational algorithm naturalistic