

# Laboratory of Neural Circuit & Behavior

School of Cognitive Sciences (SCS)  
Institute for Research in Fundamental Sciences (IPM)



## Neuroscience Research Internship Positions

Laboratory of Neural Circuit and Behavior (NCB), at the School of Cognitive Sciences, IPM, Tehran, is looking for research interns for: *a*) psychophysics and cognitive modeling, and *b*) neural data analysis projects. Interns have the opportunity to be promoted to paid RAs, depending on the progress of the projects.

Psychophysics projects are with normal human subjects and are focused mostly on decision making and time perception. These projects are suitable if you are living in Tehran, or nearby cities for data collection.

Data analysis projects will be done on available datasets from rodents and primates. The emphasis of these projects is on the role of thalamus in behavior and cognition. These projects can be done remotely.

### You are expected to:

- Be able to work within deadlines.
- Be fluent in, or be able to learn, python and/or MATLAB.
- Have a solid background in neuroscience. For that, you can watch videos from the [IPM-Sharif course](#).
- For **psychophysics projects**, both time perception and decision making, be familiar with psychtoolbox, or be able to learn it. You can watch videos from a previous [IPM-Tehran University course](#).
  - For **time perception projects**, you are expected to write the code for the task that is mentioned in [Pourmohammadi & Sanayei \(2023\)](#), collect data from yourself, and plot that data in the same format as in the paper.
  - For **decision making projects**, you are expected to write the code for the task mentioned in [Majidpour et al, \(2025\)](#), collect data from yourself, and plot those data in the same format as in the paper.
- For **data analysis projects**, have attended, or watched videos of [Neuromatch Academy](#), and/or [IPM Neural Data Analysis workshop](#). You are expected to be able to work with the dataset accompanying [Steinmetz et al. \(2019\)](#), and plot the neural responses from the thalamus in the same format as in the paper.

### To apply:

Please send your CV, a cover letter, and your plots, with the title of “**NCB research position**” (to make sure your application will be reviewed) to: MohammadAmin Farajzadeh at [mohamadaminfarajzadeh@gmail.com](mailto:mohamadaminfarajzadeh@gmail.com), before **April 1<sup>st</sup>, 2025**.