

NeuroMat offers

2 Postdoctoral Fellowships in

**Acquisition, processing and stochastic
modeling of neurobiological data, and
neuroscience instrumentation**

at USP or UNICAMP, São Paulo, Brazil

application deadline:
March 31, 2025

more information:
<https://neuromat.numec.prp.usp.br/postdoc/>



POST-DOCTORAL FELLOWSHIPS

The Research, Innovation and Dissemination Center for Neuromathematics (NeuroMat), hosted by the University of São Paulo (USP), Brazil, and funded by the São Paulo Research Foundation (FAPESP), is offering two post-doctoral fellowships for recent PhDs with outstanding research potential. The fellowship will involve collaborations with research teams and laboratories associated with NeuroMat, strictly related to ongoing research lines developed by the NeuroMat, for more details visit our website. The project may be developed at the laboratories of USP, campuses of São Paulo or Ribeirão Preto, or at UNICAMP, Campinas, in person.

We seek candidates capable of developing independent research in one of the research lines below.

1. Stochastic modeling of neurobiological data. Candidates must have a strong background in probability theory with emphasis on stochastic processes.
2. Development of new statistical methods for neurobiological data. Candidates must have a strong background in statistics and data analysis and knowledge of computer programming.
3. Acquisition, processing, and quantitative analysis of neurobiological data. Candidates must have a strong background in neuroscience with previous experience in neurophysiological data acquisition, processing and analysis, and knowledge of computer programming.

4. Instrumentation development associated with brain stimuli. Candidates must have a strong background in electronic instrumentation, robotics, programming, and safety in medical equipment.

The fellowship is competitive at an international level, and fellows benefit from extra funds for travel and research expenses plus limited support for relocation expenses.

Application Instructions:

Applicants should complete and submit the [application form](#). The following documents and information are requested (please see the form for further details):

- Summary of the CV, in the format required by FAPESP (see fapesp.br/en/6351 for instructions);
- List of publications, with links to those available online.
- A summary of the research plan for the next year, up to 5 pages in length. This document must explicitly state for which of the three research lines the candidate has applied. It should also address how this research plan fits within the framework of the NeuroMat research program. It is strongly recommended that candidates visit the webpage of the project, [NeuroMat research program](#), consult the list of publications and contact potential supervisors, that are principal or co-principal investigators participating in the NeuroMat project, to align the research proposal with the goals of the project.
- Pointers to other research related output, such as software, web pages, and so forth. Candidates should be willing to send copies of publications, if requested.
- Any further information deemed relevant to the application.

In addition to the above, we require at least two recommendation letters. Those should be mailed by the recommenders directly to postdoc-appl@numec.prp.usp.br.

Timetable:

Candidates are encouraged to apply at their earliest convenience until the deadline of March 31, 2025.

Appointment is expected to start by May 2025. The initial period of the position lasts for 12 months, with possible renewals to up to the end of the project, July 31, 2026. This opportunity is open to candidates of any nationality. The selected candidates will be awarded FAPESP Postdoctoral fellowships in the amount of R\$ 12,000,00 monthly plus fringe benefits and a research contingency fund, equivalent to 15% of the annual value of the fellowship, which should be spent on items directly related to the research activity.

More details on FAPESP's postdoctoral fellowships are available at: <https://fapesp.br/en/postdoc>