

Post-Doctorate position in Behavioural Neuroscience, opened in the Department of Psychobiology, Universidade Federal de São Paulo - São Paulo, Brazil.

Prof. Deborah Suchecki offers a position in her laboratory for a post-doc FAPESP fellowship to work in a project related to the Thematic Project **Resilience and vulnerability to stress-related psychiatric disorders induced by stress during neurodevelopment: the role of neuroinflammation** (grant # 2023/13464-7).

This opportunity is open to candidates of any nationality. The selected candidate will receive a FAPESP Post-Doctoral fellowship in the amount of R\$ 12,570.00 monthly and a research contingency fund, equivalent to 10% of the annual value of the fellowship which should be spent on items directly related to the research activity.

The goal of the present proposal is to analyse whether chronic sleep restriction (CSR) during pregnancy in rats increases the proportion of the offspring displaying simultaneous alterations in motivation-related anxiety- and depressive-like behaviours (vulnerable profile) and if these behavioural changes are correlated to neuroinflammation. The neurobiological outcomes will be the balance between tryptophan and kynurenic acid (kynurenine pathway), activation of astrocytes and microglia, and the production of pro- and anti-inflammatory cytokines. In addition, the effects of environmental enrichment will be tested under these conditions. The techniques that will be used include Multiplex analysis, ELISA, Western blot, immunohistochemistry and immunofluorescence.

Activities and context *

The post-doc fellow will be responsible for all steps of the project, including determination of pregnancy day, caring for pregnant rats and their offspring, behavioural assessment in tests of anxiety- and depressive-like behaviours, blood sampling, organs and brain harvesting and assessment of oestrous cycle.

Mandatory requirements *

Candidates must have a doctorate in science, specifically, on Neuroscience, Psychopharmacology or Psychobiology, involving experiments in RATS. They must show previous experience in 1) rat matting and neonatal sexing; 2) Handling of neonatal rats; 3) Molecular techniques: ELISA, Western blot, immunofluorescence and fluorescence/confocal microscopy; 4) Brain dissection of young and adult rats; 5) Statistical analysis.

Desirable requirements

At least two publications as first author, in Behavioural Neuroscience indexed journals.

How to apply *

Applicants must submit the following documents, as a single PDF file, to Prof. Deborah Suchecki (deborah.suchecki21@unifesp.br) until 04/26/2026: (I) Curricular Summary (FAPESP model – see below); (II) Prove of previous experience as stated in the mandatory requirements (by the publications); (III) Letter of interest, with information on the technical skills; (IV) Recommendation letter from the PhD advisor (no other letter will be accepted).

MODEL FOR THE CURRICULAR SUMMARY

Name:

Orcid (mandatory): (inform link)

Web of Science: (inform link)

MyCitation (Google Scholar): (inform link)

1) Education/Training

Specify titles and academic background, including undergraduate, master's, doctorate, residency, post-doctorate, habilitation (if applicable), and any other relevant training and certifications. Add more lines if necessary.

| Title or activity | Starting and completion date | Institution/ Entity |
|-------------------|------------------------------|---------------------|
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1.1) Education/Training – Additional Information

Provide details of any interruptions due to medical leave, maternity and paternity leave, temporary incapacities or intensive care for sick, elderly or disabled individuals, as provided for in Portaria PR n. 171/2024 (<https://fapesp.br/16724>).

In addition to including this information in the CS, a prior eligibility consultation must be submitted via Converse with FAPESP, as stipulated in Portaria PR n. 171/2024.

2) Professional/Academic Background

List up to 3 main professional positions taken, reporting starting and completion dates, and the name of each institution. These positions may be administrative, such as managing large projects in companies or research institutions. Associative activities (participation in associations, federations, thematic/technical commissions, companies/institutes/universities/boards of trustees), as well as activities in entrepreneurship and startups and academic distinction and awards may also be listed.

3) Contributions to Science (Scientific, Technological, or Innovation)

3.a) List up to 5 of your most relevant research/products/contributions to technological development and innovation, primarily from the last 5 years. This may include scientific articles, books, book chapters, lectures as guest speaker, patents (filed, granted and especially licensed), registered softwares, plant varieties, creation of technology-based companies, technical reports of projects with proven leadership or in which you have had an outstanding role, new products, new processes or other types of relevant results to your current project submission. All the author names, up to 15, should be included in the citation. The citation conventions of your field may be used. If the list has more than 5

items, FAPESP will only consider the first 5 in the review process.

3.b) Include, in each result, a justification (up to 5 lines) for its choice: its impact (social, scientific, economic, technological, in innovation, etc.) its significance in analyzing your output – scientific, technological, and in innovation – and its importance for your ongoing or proposed research projects.

4) Research Funding

Report up to 5 of the most relevant research funding, both ongoing and/or completed, received from Brazilian or international agencies or companies, where you served as Principal or Co-Principal Investigator.

5) Academic Quantitative Indicators

Please separately indicate the total amount of:

- 1) books;
- 2) publications in journals with selective editorial policy;
- 3) book chapters;
- 4) supervised Master's dissertations:
 - 4.a) ongoing; and
 - 4.b) concluded;
- 5) supervised Doctoral theses:
 - 5.a) ongoing; and
 - 5.b) concluded;
- 6) Postdoctoral supervisions:
 - 6.a) ongoing; and
 - 6.b) concluded;
- 7) number of citations received in the international scientific literature according to Web of Science, Scopus or Google Scholar;
- 8) applied patents, granted patents and licensed patents;
- 9) products developed and launched on the market;
- 10) optimized processes implemented in companies or social organizations;
- 11) created or supported companies;
- 12) relevant technical and scientific consultancy.

6) Other Relevant Information

6.a) Other relevant biographical information to contextualize and analyze your recent professional work (past ten years), as well as to document your experience and expertise in the field of knowledge or economic branch of the proposed project, or in entrepreneurship, innovation and/or social impacts related to the project.

6.b) Describe your international research experience after obtaining PhD title, highlighting your participation in international research collaboration networks with published results.

6.c) Awards, prizes or honours.