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Job offer

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[FAPESP, SAO PAULO RESEARCH FOUNDATION](#)

| Posted on: 9 July 2025

Post-Doctoral Fellowship in Structural Biology

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9 Jul 2025

Job Information

Organisation/Company	FAPESP - São Paulo Research Foundation
Research Field	Biological sciences
Researcher Profile	Established Researcher (R3)
Country	Brazil
Application Deadline	15 Aug 2025 - 23:59 (UTC)
Type of Contract	To be defined
Job Status	Not Applicable
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme

Is the Job related to staff position within a Research Infrastructure? No

Offer Description

The research plan for this post-doctoral position funded by the São Paulo Research Foundation (FAPESP) focuses on studying GRASP proteins, particularly their structural and dynamic properties. It involves a multi-faceted approach using several experimental methods, such as X-ray crystallography and Cryo-electron microscopy (Cryo-EM) to analyze GRASPs from different organisms (including human GRASPs), especially under conditions associated with unconventional protein secretion (UPS). GRASP proteins are essential for Types III and IV UPS in eukaryotic cells, and the structure of the Golgi apparatus. The project aims to provide insights into GRASP's structural organization, particularly the underexplored C-terminal SPR domain, which poses challenges due to its disordered nature.

Key objectives include obtaining high-resolution structural data, examining GRASP protein structure and dynamics, and exploring in vitro and in-cell structural behavior. Collaborations with experts in crystallography, Cryo-EM, and cell biology will support these goals. The project promotes interdisciplinary training in molecular biophysics, biochemistry, and cell biology, aligning with the FAPESP PD program's objectives to provide early-career researchers with a broad range of scientific expertise. Training in heterologous expression, protein purification, and X-ray crystallography or cryo-EM is required.

CV and a motivation letter should be sent to Antonio Costa (ajcosta@usp.br), a Professor at the Department of Physics of the University of São Paulo's Ribeirão Preto Faculty of Philosophy, Sciences and Letters (FFCLRP-USP) in Brazil.

This opportunity is open to candidates of any nationality. The selected candidate will receive a FAPESP Post-Doctoral fellowship in the amount of R\$ 12,000.00 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.

More information about the fellowship is at: fapesp.br/oportunidades/8378 .

Where to apply

Website <http://www.fapesp.br/oportunidades/8378>

Requirements

Additional Information

Eligibility criteria

Eligible destination country/ies for fellows:

- Brazil

Eligibility of fellows: country/ies of residence:

- All

Eligibility of fellows: nationality/ies:

- All

Work Location(s)

Number of offers available	1
Company/Institute	Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto, Universidade de São Paulo (FFCLRP-USP)
Country	Brazil
State/Province	São Paulo
City	Ribeirão Preto
Postal Code	14040-901
Street	Av. Bandeirantes, 3900 (Departamento de Física)

Contact

State/Province	São Paulo
City	São Paulo
Website	http://www.fapesp.br/oportunidades/
Street	R. Pio XI, 1500 - Alto da Lapa
Postal Code	05468-901

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