

## **Post-Doctorate in “Structural and Thermodynamic Studies on Hair Fibers” with São Paulo Research Foundation (FAPESP) Scholarship**

The Complex Fluids group of the Institute of Physics (IP), University of São Paulo / Brazil, offers an opportunity for a postdoctoral fellowship (FAPESP financial support), in the framework of the Thematic Project "**Synthesis and characterization of multi-functional lipid-based nanoparticles, with potential biomedical application in cancer and atherosclerosis: a multidisciplinary approach**".

Coordinated by Professor Antonio Martins Figueiredo Neto, from the IP, the project has Professor Cristiano Luis Pinto de Oliveira (also from IP) as Principal Investigator and brings together researchers from different universities and specialties in São Paulo: physics, medicine, odontology and nutrition.

The fellow will develop projects in the field of **Structural and Thermodynamic Studies on Hair Fibers Using a Multifactorial Approach**. The candidate must have, preferably, experimental practice in X-ray Scattering/Diffraction, differential scanning calorimetry, scanning/transmission electron microscopy, optical microscopy and confocal microscopy. The project has multidisciplinary characteristics, involving physics, chemistry and biology. In this project, we aim to develop characterization protocols for hair fibers in order to investigate structural changes induced by cosmetic treatments and other effects.

The project will be developed at USP under the supervision of professor Cristiano Pinto de Oliveira. Candidates should send an e-mail to ([crislpo@if.usp.br](mailto:crislpo@if.usp.br)) with his curriculum vitae (including a list of publications), a cover letter and a letter of recommendation. A distance interview will be held with the candidates.

The position is open to Brazilians and foreigners. The selected fellow will receive FAPESP Post-Doctoral Fellowship in the amount of R\$ 12.000,00 (about USD 2,180.00 / tax-free) per month and Technical Reserve. The Technical Reserve of PD Grant is equivalent to 15% of the annual value of the scholarship and is intended to meet unforeseen expenses directly related to the research activity. The duration of the scholarship is for one year, and may be extended for another period of one year.

If the PD grant holder lives in a different city and needs to move to São Paulo, he/she may be entitled to a grant-installation. More information about the FAPESP Postdoctoral Fellowship is available at [www.fapesp.br/bolsas/pd](http://www.fapesp.br/bolsas/pd).

**Interested candidates should apply until July 31, 2025, sending an e-mail to Professor C. L. P. Oliveira at ([crislpo@if.usp.br](mailto:crislpo@if.usp.br)).**