

## **Post-Doctorate in Simulation and Modeling of Liquid Crystals, 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 "**Structural and biophysical properties of native and modified lipoproteins**".

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 *simulation and structural modeling of oriented liquid crystals using small-angle scattering methods*. Candidate must have experience in programming, modeling methods, scattering and diffraction. The work has multidisciplinary characteristics combining theoretical and experimental topics in physics, chemistry and biology. The aim of this project is to develop simulation and analysis tools for the modeling of experimental data from small-angle scattering in order to permit the structural characterization of liquid crystal systems and retrieve structural information.

The project will be developed at USP under the supervision of professors Antonio Martins Figueiredo Neto and Cristiano Luis 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\$ 7.373,10 (about USD 2,000.00 / 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 April 30, 2019, sending an e-mail to Professor C. L. P. Oliveira at ([crislpo@if.usp.br](mailto:crislpo@if.usp.br)).**