UNIVERSIDADE DE SÃO PAULO
Instituto de Física de São Carlos

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SÃO CARLOS INSTITUTE OF PHYSICS
TENURE-TRACK FACULTY POSITION – ATAc/IFSC-31/2022, of 28 June 2022

ANNOUNCEMENT OF 01 (ONE) OPEN TENURE-TRACK FACULTY POSITION AT THE DEPARTMENT OF PHYSICS AND INTERDISCIPLINARY SCIENCE OF THE SÃO CARLOS INSTITUTE OF PHYSICS, UNIVERSITY OF SÃO PAULO, BRAZIL, LEVEL MS-3, RDIDP (FULL-TIME DEDICATION TO TEACHING AND RESEARCH) – **REGISTRATION IS NOW OPEN**.

The Director of the São Carlos Institute of Physics at the University of São Paulo invites applications for 1 (one) full-time tenure-track faculty position in the field of "**STRUCTURAL MOLECULAR BIOLOGY**". The position nº 1012622 at the Department of Physics and Interdisciplinary Science is open for applicants for 60 days, from July 4th 2022 at 8:00 a.m. to September 1st 2022, at 6:00 p.m. (GMT -3, Brasilia time, Brazil). Salary is R$ 13,357.25 (month, in Brazilian real), non-negotiable. This position comprises full-time dedication to research and teaching, level MS-3, RDIDP. The following is the detailed description of the academic disciplines and respective program for the examinations in the field of Structural Molecular Biology:

STRUCTURAL MOLECULAR BIOLOGY (7600080) and **PHYSICAL TECHNIQUES APPLIED TO STRUCTURAL BIOLOGY (SFI5853)**: 1. Protein Structure Hierarchy; 2. Introduction to Protein Crystallography; 3. Principles of Protein Crystallization; 4. X-ray diffraction data collection; 5. Solving the phase problem; 6. Interpretation of electron density and potential maps; 7. Refinement and validation of crystallographic structures; 8. Infrared and Raman spectroscopy; 9. Basic principles of Protein NMR; 10. Determination of interatomic distances by NMR; 11. Assignment of resonance lines; 12. Determination of protein structure by NMR; 13. Scattering and absorption of X-rays and neutrons; 14. Electron cryomicroscopy; 15. Electron paramagnetic resonance; 16. UV, visible and fluorescence spectroscopy; 17. Circular dichroism.

APPLICATIONS

1. Applications must be submitted exclusively via the website **https://uspdigital.usp.br/gr/admissao** during the period stated above. Applicants must download, sign and submit the available application form addressed to the Director of the São Carlos Institute of Physics, containing his/her personal data and the field (speciality) of the Department for which he/she is applying, accompanied by the following documents:

I – Detailed Curriculum Vitae, in Portuguese or English, list of published papers, academic activities, and any complementary information that enables assessing the merits of the applicant in the specific field of this announcement, and associated documents proving the information provided, in digital format;
II – Proof of a Ph.D. degree valid in Brazil, or accredited by the University of São Paulo;
III – For Brazilian male applicants, proof of discharge from military service;
IV – For Brazilian applicants, copy of voter identification card;
V – For Brazilian applicants, proof of having voted in the last election or detailed certificate issued by the Electoral Court less than 30 days before the start of the registration period;
VI – Proof of vaccination against Covid-19 (complete vaccination schedule) and any booster doses;
VII – Research project, in Portuguese or English, in accordance with the field (speciality) of this call.

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– Links from Dropbox or Google Drive or any other similar referring to pages subject to change by the applicant will not be admitted as proof of the items presented in the Detailed Curriculum Vitae.
– An appointed foreign applicant may only take office if holding a temporary or permanent visa, which grants to the holder permission to exercise remunerated activities in Brazil.
– It is the sole responsibility of the applicant to verify the integrity and to preserve the order of the uploaded files in the link: **https://uspdigital.usp/gr/admissao**.
– It is the sole responsibility of the applicant to present his/her personal documents (front and back) in a legible format. If the applicant omits anything from the application process or fails to correct any unsuccessful, illegible or incomplete upload during the application period, the application will be rejected as incomplete.
– Documents submitted out of the application period will not be admitted, even if an appeal is taken.

2. The Congregation of the São Carlos Institute of Physics will judge and announce the formal acceptance of the applications.
I – The examination of the candidates will take place within 30 to 120 days, after the formal acceptance of the applications.
II – The candidate is fully responsible for keeping himself/herself informed about all stages of the process in the São Paulo State Official Gazette (*Diário Oficial do Estado de São Paulo, Caderno Executivo I, Seção 'Concursos', Subseção 'Universidade de São Paulo'*).

3. The two-stage examination of the candidates will consist of the following exams.

– 1st phase (eliminatory): a written exam on one of the topics described above – weight 1.

– 2nd phase: i) Analysis and Public examination of the Curriculum Vitae – weight 5.
ii) Teaching exam (public lecture on one of the topics described above) – weight 2.
iii) Oral examination of the Research Project – weight 2.

– Only candidates approved in the first phase will be allowed to participate in the second phase.

– Candidates who arrive late to the exams will be ineligible to proceed.

MORE INFORMATION

Further information and relevant rules for the examination are available at the **Academic Assistance Department** of the São Carlos Institute of Physics, University of São Paulo, and e-mail **atac@ifsc.usp.br**, and **https://www2.ifsc.usp.br/portal-ifsc/concurso-publico-para-professor-doutor-edital-atac-ifsc-31-2022/**.

São Carlos, June 28th, 2022.