RAMAN SPECTROSCOPY PD SCHOLARSHIP

The FAPESP Institutos program "Professional qualification in science, technology and infrastructure in the areas of radiopharmaceuticals, radiation and entrepreneurship in the service of health" offers a postdoctoral opportunity with a scholarship from FAPESP. The registration period ends on the 18th of June 2021.

The project, financed by FAPESP, has a team made up of a multidisciplinary group that includes researchers participating from several research centers from IPEN and USP São Paulo, whose lines of research are focused on the study and development of nanomaterials for the purpose of sensors and the detection of standardized end environmental nanoplastics. The activities also involve measurements of biological materials such as hard tissues (eg dental enamel and dentin), soft tissues and body fluids (eg saliva, sweat and blood).

The candidate must have a background in either physics, chemistry, biochemistry, materials science or related fields. The candidate will participate in projects that have Raman spectrometry as their core and that will use a high resolution micro-Raman system (LabRam HR Evolution - HORIBA). The candidate will be responsible for acquiring the data and should develop databases and improve software related to their creation. The candidate should help to organize the demand for the Raman equipment and coordinate the measures of the collaborators.

The work will be developed at the Lasers and Applications Center of the Energy and Nuclear Research Institute of São Paulo. The selected candidate will receive a scholarship in the amount of R$ 7,373.10 (seven thousand, three hundred and seventy-three reais and ten cents) monthly and a technical reserve, which is equivalent to 15% of the annual value of the scholarship, destined to incur expenses directly related to the activity of research. The scholarship also includes an installation aid for researchers who need to move to the city of São Paulo, Brazil, headquarters of the project's leading institution.

REGISTRATION DOCUMENTATION

1. Full CV Lattes (www.lattes.cnpq.br) or Curriculum Vitae, if foreign, containing index “h” (parameter based on academic citations);

2. Cover Letter, highlighting your qualities and qualifications and focusing on the area of knowledge of this announcement, including a brief presentation of your most important research results published (maximum of 3 publications, patents, awards, scholarships, etc.);

3. Research project on the subject matter of this proposal. The research project must contain, with a maximum of 10 pages, in Portuguese or English: introduction, objectives, methodology, method of analysis of results, schedule and bibliography.

4. Two letters of reference.

CONTACT AND DEADLINE

The candidate should send the documents via e-mail to: egp02@ipen.br with the title: "**PDIP – SNOM**".

For clarification and additional information about the Research Program, please contact us at the same address above.

The deadline for submissions will be July 18th. Subsequent registrations will not be accepted.

SELECTIVE PROCESS

Candidates will be selected by curriculum vitae evaluation, considering the candidate's publications, profile and trajectory, as well as the scientific quality of the proposal and its adherence to the research lines of the project.

DISCLOSURE OF RESULTS

The result will be announced on the websites of FAPESP (www.fapesp.br) and IPEN (www.ipen.br) by **July 1st, 2021**.

The result will be announced in the order of the candidate's classification in the selection process. The classification of the candidates will be considered for waiting list effect;

If the best classified candidate does not present the necessary conditions for the implementation of the scholarship, the second placed will be called, and so on, until the filling of the opening. The decision of the Selection Committee will be taken definitively and will not be appealed. The selected candidate is expected to start work on **September 1st, 2021**.

Other information: http://www.fapesp.br/oportunidades.