POST-DOC POSITION ANNOUNCEMENT

Call for Proposals on FAPESP posdoctoral fellowship in science and tecnology on nanomaterials, radiation and radiopharmacy

The Institutional Research & Development Plan (PDIP) entitled "Scientific, technological infrastructure in radiopharmaceuticals, radiation and entrepreneurship at the service of health" **FAPESP process 2017 / 50332-0** opens a vacancy for postdoctoral fellowship through this Call for Proposals.

The plan, funded by FAPESP, is composed by a multidisciplinary team that includes researchers from several IPEN centers, whose research lines are focused on the study and development of nanomaterials using radiations for biomadical purposes, radiopharmaceuticals development and dosimetry / nanodosimetry. The goal of the plan is to develop low-cost biomaterials and metal, protein or hybrid nanomaterials for health applications, as well as innovative radiopharmaceuticals for diagnosis and treatment of diseases. The researchers involved in the project work in several fields of knowledge and apply different methodologies in their investigations.

The postdoctoral fellow (PD) should conduct theoretical and/or empirical research in the program, as well as other regular activities, such as the presentation of seminars and the dissemination of research results. As a result of his postdoctoral research, he should also produce articles to be submitted in journals of high academic impact, as well as present him at at conferences and seminars. The PD grant aims to develop specific project in the theme:

“Development of metal nanoparticles coated with proteins and their use as radiosensitizers for tumor ablation in vitro and in vivo”.

CONDITIONS OF THE FELLOWSHIP

The opportunity is open to candidates of all nationalities. It is necessary that the candidate holds a PhD in Biomedical Engineering, Bioengineering or related areas, and knowledge in: synthesis and characterization of nanostructured materials; radiation science and technology; in vitro and in vivo models (with experience in cell culture and handling of laboratory animals) for the application of nanomaterials; biological and biochemical tests for studies on the application of nanomaterials in biological systems. It is recommended that the candidate has a strong history of publication in the field of metallic and protein nanomaterials and their biomedical applications, as well as excellent performance in spoken and written English.

The work will be developed at the **Institute of Energy and Nuclear Research, Center for Chemistry and Environmental Technology**. The selected candidate will receive a grant in the amount of seven thousand, three hundred and seventy-three reais and ten cents (R$ 7,373.10) per month and a research contingency fund, equivalent to 15% of the total value of the scholarship monthly fees which should be spent in items directly related to the research activity.

The grant also includes an installation assistance for researchers who need to move to the city of São Paulo, Brazil, headquarters of the institution leading the project. The scholarship will be awarded for **18 months**. For the implementation of the scholarship, a dedication of **40 hours per week** during business hours will be required. Details about the Installation aid and more information about the felloship: www.fapesp.br/bolsas/pd. One scholarship holder will be selected.

DOCUMENTS FOR REGISTRATION

1. Complete CV Lattes (www.lattes.cnpq.br) or *Curriculum Vitae*, if foreign;

2. MyCitation (Google Scholar);

3. Motivation letter

4. Recommendation letter from previous advisor or research supervisor.

CONTACT AND DEADLINE

The candidate should send the documentation via e-mail to: egp01@ipen.br with the title: "**Bolsa - PDIP - Nanomaterials and Radiopharmaceuticals**".

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

The deadline for submissions will be June, 10th. 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 the IPEN (www.ipen.br) until **June 20th, 2019**.

The result will be announced in order of the candidates 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 place will be called, and so on, until the filling of the vacancy. The decision of the Selection Committee will be taken definitively and will not be appealed. The selected candidate is expected to start work on **August, 2019**.

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