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|  | **POST-DOC POSITION ANNOUNCEMENT** |

**Call for Proposalson FAPESP posdoctoralfellowship in scienceandtecnologyonnanomaterials, radiationandradiopharmacy**

The InstitutionalResearch&DevelopmentPlan (PDIP) entitled "Scientific, technologicalinfrastructure in radiopharmaceuticals, radiationandentrepreneurshipattheserviceofhealth" **FAPESP process 2017 / 50332-0** opens a vacancy for postdoctoralfellowshipthroughthisCall for Proposals.

The plan, fundedby FAPESP, iscomposedby a multidisciplinaryteamthat includes researchersfromseveral IPEN centers, whoseresearchlines are focusedonthestudyanddevelopmentofnanomaterialsusingradiations for biomadicalpurposes, radiopharmaceuticalsdevelopmentanddosimetry / nanodosimetry. The goaloftheplanistodeveloplow-costbiomaterialsand metal, proteinorhybridnanomaterials for healthapplications, as well as innovativeradiopharmaceuticals for diagnosisandtreatmentofdiseases. The researchersinvolved in theprojectwork in severalfieldsofknowledgeandapplydifferentmethodologies in theirinvestigations.

The postdoctoral fellow (PD) shouldconducttheoreticaland/orempiricalresearch in theprogram, as well as other regular activities, such as thepresentationofseminarsandthedisseminationofresearchresults. As a resultofhispostdoctoralresearch, heshouldalsoproducearticlestobesubmitted in journalsof high academicimpact, as well as presenthimatatconferencesandseminars. The PD grantaimstodevelopspecificproject in thetheme:

**“Developmentof metal nanoparticlescoatedwithproteinsandtheir use as radiosensitizers for tumor ablation in vitro and in vivo”.**

**CONDITIONS OF THE FELLOWSHIP**

The opportunityis open to candidates ofallnationalities. It isnecessarythatthe candidate holds a PhD in BiomedicalEngineering, Bioengineeringorrelatedareas, andknowledge in: synthesisandcharacterizationofnanostructuredmaterials; radiationscienceandtechnology; in vitro and in vivo models (withexperience in cellcultureandhandlingoflaboratoryanimals) for theapplicationofnanomaterials; biologicalandbiochemicaltests for studiesontheapplicationofnanomaterials in biological systems. It isrecommendedthatthe candidate has a stronghistoryofpublication in thefieldofmetallicandproteinnanomaterialsandtheirbiomedicalapplications, as well as excellent performance in spokenandwrittenEnglish.

The workwillbedevelopedatthe**Instituteof Energy and Nuclear Research, Center for Chemistryand Environmental Technology**. The selected candidate willreceive a grant in theamountofseventhousand, threehundredandseventy-three reais andtencents (R$ 7,373.10) per monthand a researchcontingencyfund, equivalentto 15% ofthe total valueofthescholarshipmonthlyfeeswhichshouldbespent in itemsdirectlyrelatedtotheresearchactivity.

The grantalso includes aninstallationassistance for researcherswhoneedto move tothecityof São Paulo, Brazil, headquartersoftheinstitutionleadingtheproject. The scholarshipwillbeawarded for **18 months**. For theimplementationofthescholarship, a dedicationof**40 hours per week**during business hours willberequired. DetailsabouttheInstallationaidand more informationaboutthefelloship: [www.fapesp.br/bolsas/pd](http://www.fapesp.br/bolsas/pd). Onescholarshipholderwillbeselected.

**DOCUMENTS FOR REGISTRATION**

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

2. MyCitation (Google Scholar);

3. Motivationletter

4. Recommendationletterfrompreviousadvisororresearch supervisor.

**CONTACT AND DEADLINE**

The candidate shouldsendthedocumentation via e-mail to: egp01@ipen.brwiththetitle: "**Bolsa - PDIP - NanomaterialsandRadiopharmaceuticals**".

For clarificationandadditionalinformationabouttheResearchProgram, pleasecontactusatthesameaddressabove.

**The deadline for submissionswillbeFebruary,28th**.Subsequentregistrationswillnotbeaccepted.

**SELECTIVE PROCESS**

Candidates willbeselectedby curriculum vitae evaluation, consideringthecandidate'spublications, profile andtrajectory, as well as thescientificqualityoftheproposaland its adherencetotheresearchlinesoftheproject.

**DISCLOSURE OF RESULTS**

The resultwillbeannouncedonthe websites of FAPESP and IPEN until**March22th, 2019**.

The resultwillbeannounced in orderofthe candidates classification in theselectionprocess. The classificationofthe candidates willbeconsidered for waitinglisteffect;

Ifthebestclassified candidate does notpresentthenecessaryconditions for theimplementationofthescholarship, thesecondplacewillbecalled, andsoon, untilthefillingofthevacancy. The decisionoftheSelectionCommitteewillbetakendefinitivelyandwillnotbeappealed. The selected candidate isexpectedto start workon**May, 2019**.

Otherinformation: <http://www.fapesp.br/oportunidades>.