

BRAZILIAN CENTER FOR RESEARCH IN ENERGY AND MATERIALS (CNPEM), Campinas,
São Paulo

The Brazilian Center for Research in Energy and Materials (CNPEM), located in the city of Campinas – SP, is a private nonprofit organization qualified by the Ministry of Science, Technology and Innovation (MCTI) to manage four national laboratories: Brazilian Synchrotron Light Laboratory (LNLS), Brazilian Biosciences National Laboratory (LNBio), Brazilian Bioethanol Science and Technology Laboratory (CTBE) and Brazilian Nanotechnology National Laboratory (LNNano).

In order to strengthen and mobilize the human resources needed for the National Laboratories, CNPEM and CAPES (an agency of the Ministry of Education) will support the following types of CAPES fellowships:

- Up to 4 (four) Foreign Visiting Researcher Fellowships (supporting foreign senior scientists or Brazilian scientists living abroad to collaborate with CNPEM projects; maximum 12 months)
- Up to 5 (five) Post-doctoral fellowships (training young outstanding scientists engaging on CNPEM research projects; maximum 36 months)

Skills are sought in the following areas:

<ul style="list-style-type: none"> - Materials Structure and properties - Research using synchrotron light, focused on catalysis, magnetism, soft materials, images, infrared spectroscopy, atomic and molecular physics - Instrumentation related to the use and the generation of synchrotron light - Accelerator physics - Materials processing and characterization - Drugs and biopharmaceuticals development - Synthetic biology and bioinformatics - Basic research in cancer, cardiovascular diseases and neglected diseases - Biochemistry of Fermentation - Systems Biology for Biomass and Biofuels Production 	<ul style="list-style-type: none"> - Microbiology and Metabolic Engineering - Enzyme Biotechnology - Nanofabrication, sensors and devices - Purification, fractionation and toxicology of nanomaterials and microparticulated materials - Nanostructured materials produced from biomass and abundant minerals - Supplies for implementation of nanotechnologies - Sugarcane Functional Biology - Precision Agriculture and Low Carbon Agriculture - Biomass Bioprocessing - Processing of Lignin - Sustainability of Biomass and Bioenergy Production
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<ul style="list-style-type: none"> • The Post-doctoral program is open to Brazilian or foreign candidates who have completed their PhD/DSc work and would like to apply for postdoctoral training at CNPEM in the above areas. Support will be for one year, renewable up to a maximum of 36 months. • The Foreign Visiting Researcher Fellowship is open to foreign scientists or Brazilian scientists living abroad at PhD/DSc or equivalent level, and proven experience and outstanding achievement. Citizens from countries having diplomatic relationships with Brazil are eligible, from public or private sector institutions. Visits could be for short, medium and long stays for up to one year, renewable, working at CNPEM.. 	<ul style="list-style-type: none"> • The programs will give priority to candidates who can demonstrate: <ul style="list-style-type: none"> ○ Previous experience of the candidate pertinent to CNPEM research activities, objectives and long-term goals; ○ For the Visiting Researcher Program: Strong support for their applications from their origin/affiliation institution, including willingness to engage in long-term collaboration with CNPEM after the visiting period. • Candidates will be selected by a sixmember expert panel nominated by CNPEM and CAPES. The program will run until December 2018.
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The positions will remain open until they are filled and the Program will run until December 2018.

SCHEDULE			
Call for Proposal	Registration	Results	Beginning of work
First	Until 07/18/2014	From 08/15/2014	From 09/2014
Second	Until 09/19/2014	From 10/17/2014	From 11/2014
Third	Until 11/06/2015	From 11/30/2015	From 01/2016

For further information or to express interest, contact capes@cnpem.br sending the CV and indicating the interest area.