

EDITAL PARA A ATRIBUIÇÃO DE BOLSAS NO ÂMBITO DE PROJECTOS E INSTITUIÇÕES DE I&D

Uma bolsa de Pos-doc

There is one open position for a Ph.D. to perform R&D within the project *Advanced Materials* in the Center for Nuclear Sciences and Technologies (C²TN), Instituto Superior Técnico (IST), Multi/04349, with the financial support of FCT/ MEC through national funds and if applicable co-financed by the ERDF under the PT2020 Partnership Agreement, upon the following conditions:

Scientific Area: Materials Physics

Eligibility: PhD in Physics in the field of Condensed Matter or in Materials Science, obtained during the last 3 years, with experience in characterization of material's properties, preferably electrical or magnetic.

Work plan: Advanced training in development and application of techniques for measurement of electrical resistivity and magnetoresistance anisotropy in single crystals, under high magnetic fields up to 18T and at low temperatures down to 0.3K for the characterization of bidimensional molecular metals and superconductors.

Legislation and official rules: Law N.º 40/2004, dated August 18 (Statute of Scientific Research Fellow) and updated Regulation for Studentships and Fellowships of the Fundação para a Ciência e a Tecnologia (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf). IST-ID regulation for research fellowships.

Local of work: The work will take place at the Center for Nuclear Sciences and Technologies (C²TN) in its Low temperature and High Magnetic field Laboratory, Campus Tecnológico e Nuclear, Estrada Nacional 10 (km 139,7), 2695-066 Bobadela LRS, of Instituto Superior Técnico, under the supervision of Doctor Manuel Leite de Almeida.

Duration of the grant: The scholarship is granted for a time period of 11 months, starting at February 2017. The grant contract can be renewed up to a maximum of 24 months.

Value of monthly maintenance allowance: The monthly maintenance allowance is € 1,495 in agreement with the monthly maintenance stipend table of the grants directly attributed by FCT, I.P. within the country (<http://www.fct.pt/apoios/bolsas/valores>).

Selection method: The selection will be based on the: *curriculum vitae* and professional experience of the candidate, motivation letter, and an interview. Each item will be valued on a scale of 0-20, with the following weighting: *Curriculum vitae* and experience (55%), motivation letter (15%) and interview (30%).

Composition of the Selection Panel: Nuno Pessoa Barradas (President), Manuel de Almeida (Effective member), Laura Pereira (Effective member).

Substitutes: António Gonçalves/ Elsa Lopes

Publication and Notifications of the results: The final results will be published as a list ordered by the final score, posted in a visible and public place at Center for Nuclear Sciences and Technologies, Campus Tecnológico e Nuclear, Estrada Nacional 10 (km 139,7), 2695-066 Bobadela, LRS. All the applicants will be notified by e-mail and the approved candidate will be also notified by letter.

Deadline and application: The call will be open from 16 december 2016 to 10 january 2017.

The application should be submitted electronically and must include: a cover letter, curriculum vitae, academic certificates and other documents considered relevant, a motivation letter, and two recommendation letters.

The application should be sent by email to the Secretariat of the Center for Nuclear Sciences and Technologies (C²TN) <http://c2tn.tecnico.ulisboa.pt/en/>, Campus Tecnológico e Nuclear, Estrada Nacional 10 (km 139,7), 2695-066 Bobadela LRS. E-mail address: anagabriel@ctn.ist.utl.pt