

Eracareers Ciência 2008: Biomedical Engineering, IST

1. Job description

Job/Fellowship Reference: C2008-IST/CFTP.2

Main research field: Biomedical Engineering

Sub research field: Biomedical Imaging and Modeling

Job summary:

The successful candidate will conduct independent research of international standards in the field of Biomedical Imaging and Modeling and is expected to contribute to current research projects, as well as to support activities of scientific supervision and training.

Job description:

In the context of the Biomedical Engineering Program at the IST, research in the field of Biomedical Imaging and Modeling has been focused in solving questions regarding the application of imaging techniques towards the quantification and understanding of brain function. One of the attainment targets is the development of new methodological approaches for the acquisition and analysis of magnetic resonance imaging (MRI). Relevant topics include MRI sequence development; image reconstruction; statistical modeling; tracer kinetics; functional imaging applications in Neuroscience and clinical applications in Neurology.

Applicants should hold a PhD in Biomedical Engineering, Bioengineering, or in any area in the interface of Physics, Mathematics, Chemistry or Engineering Sciences with Biomedical Sciences. They should have a strong publication record in a relevant field of research and provide evidence of the ability to work independently and to effectively participate in inter-disciplinary and international projects. At least 3 years of successful post-doctoral research experience are required.

Application materials must include: curriculum vitae, statement of purpose and letters of reference. The final selection of candidates will be subject to approval by FCT. The successful candidate will receive a salary in accordance with the university regulations for a senior researcher (annual gross income ~ 43.000 K Euros).

Vacant posts: 1

Type of contract: The initial contract is for 3 years, renewable for another period of 2 years on mutual agreement.

Job country: Portugal

Job city: Lisbon

Job company/institute: Instituto Superior Técnico

Application deadline: 17/09/2008

2. Organization contact data

Organization/Institute: Instituto Superior Técnico - C2008

Address: Av. Rovisco Pais, 1, 1049-001 Lisboa, Portugal

Email: biomedica@fisica.ist.utl.pt

Website: <http://www.biomedica.edu/>

3. Required education level

Degree: Ph.D.

Degree field: Biomedical Engineering, Bioengineering, or in any area in the interface of Physics, Mathematics, Chemistry or Engineering Sciences with Biomedical Sciences.

4. Required languages

Language: English

Priority: High

Reading: Good

Writing: Good

Comprehension: Good

Conversation: Good

5. Required research experience

Main Research field: Biomedical Engineering

Research sub-field: Biomedical Imaging and Modeling

Years of research experience: minimum of 3 years

6. Selection committee

Name: Fernando Lopes da Silva <http://www.biomedica.ist.edu/editaisC2008>

Name: Patrícia Figueiredo <http://www.biomedica.ist.edu/editaisC2008>

Name: Teresa Peña <http://www.biomedica.ist.edu/editaisC2008>

Name: Sergio Cerutti <http://www.biomedica.ist.edu/editaisC2008>

Name: Eduardo Ducla Soares <http://www.biomedica.ist.edu/editaisC2008>

Name: Ana Sebastião <http://www.biomedica.ist.edu/editaisC2008>