

## **JOB SUMMARY**

The Faculty of Sciences of the University of Porto (FCUP) invites applications for **two** 5-year research positions in *Bioinformatics/Biomathematics*, **within the area of Signal Processing and Data Analysis**. The successful candidates will develop their research activities at Center of Mathematics of Porto University (CMUP), and will participate in the area related graduate programs at FCUP.

## **JOB DESCRIPTION**

The research positions are aimed at developing research in Applied Mathematics, specifically in Bioinformatics/Biomathematics and attending its related and specific problems in Statistics or Signal Processing. The appointments at FCUP ( <http://www.fc.up.pt> ) will be made for up to five years, renewed yearly. The positions will be held at CMUP, with web page <http://www.fc.up.pt/cmup/> .

The researchers should have a strong interdisciplinary background with interests in Statistics/Signal Processing within Applied Mathematics or Biomedical Applications. They are expected to develop research within the areas of interest of the research group in Signal Processing and Data Analysis at CMUP, aiming at novel, computationally efficient multimodal approaches and tools for the analysis of complex data, such as those driven by life-science problems, as bioinformatics and biomedical applications. However, applications are also encouraged from excellent candidates of other related areas within applied mathematics or biomedical research.

In addition to their research work, the successful candidates are expected to actively:

- participate in CMUP seminars, promoting regular group seminars and organizing advanced lecture series on Bioinformatics/Biomathematics concerning emergent problems in Statistics/Signal Processing;
- participate in the organization of national/international workshops and conferences;
- supervise PhD and Master thesis students, as well as to lecture on the area related tracks of the FCUP post-graduate programs;
- collaborate with the Mathematics Departments and research units in the establishment of targeted research programs in the framework of national/international networking and ongoing activities to promote the public awareness of science.

## **APPLICATIONS**

Candidates must have a solid background in Statistics/Applied Mathematics or related, with a research experience of at least 3 years after the PhD degree, under the general rules of Program Ciencia 2007 <http://www.fct.mctes.pt/ciencia2007/>. In support of their application, candidates must submit:

- *Curriculum Vitae*;
- A *5-year Research Proposal* (maximum 2A4 pages), emphasizing their own research objectives and their contribution to the development of Bioinformatics/Biomathematics, attending its related and specific problems in Statistics or Signal Processing, special attention must be given to interdisciplinary and complementarily issues within other local and international research units;
- *2 letters of recommendation*

**Applications** must be **submitted until 30 of August 2007**, to [jntavar@fc.up.pt](mailto:jntavar@fc.up.pt) and [aprocha@fc.up.pt](mailto:aprocha@fc.up.pt) .

The 2 recommendation letters and also a paper copy of the electronic documents, should be sent to:

Ana Paula Rocha,

Dep Matemática Aplicada, Faculdade de Ciências da Universidade do Porto  
Rua do Campo Alegre 687, 4169-007 Porto, Portugal.