

Portugal - SESAME Fellowship

Portuguese Foundation for Science and Technology (FCT) and Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME)

Portuguese Foundation for Science and Technology, FCT, is a public organization created for promoting the advancement of scientific and technological knowledge in Portugal.

FCT, under an agreement with SESAME, is offering 4 one-year training fellowships in the following areas to applicants from SESAME Members (Bahrain, Cyprus, Egypt, Iran, Israel, Jordan, Pakistan, Palestinian Authority, Turkey):

Front-ends for Beamlines (Bending Magnet, Undulator, Wiggler)

- Instrumentation and Electronics
- Software and Computing specific to beamlines
- Vacuum and Control Systems

Applicants should hold a degree of Master of Science (M.Sc./M.S.) or Doctor of Philosophy (PhD) in either of the following areas: Physics, Chemistry, Biology, Electrical Engineering, and Mechanical Engineering. Fellowship program is aimed at PhD students and post-doctoral scientists and/or engineers. This program will focus on the research topics related to the construction, operation and development of beamlines and the synchrotron storage ring.

The offer includes four fellowships per year in Portugal for scientists and/or engineers from Members of SESAME to allow them to receive training and enhance their professional expertise in accelerator, beamline, and related applications. These fellowships will be of a duration of one-year and may be renewed for up to a maximum of three years at Post-Doctoral level, or up to four years at Doctoral level, based on satisfactory performance of the fellows and the SESAME requirements.

After completion of the training period, successful trainees may be offered a job at the SESAME site in Jordan, depending on the results of their work carried out whilst in receipt of a fellowship and the availability of positions at the Centre.

Each fellowship will consist of a fixed amount for a return, economy class air ticket for the fellow's journey between his/her place of residence and Portugal, but not for his/her dependents, and a fixed monthly stipend to cover the fellow's living expenses in Portugal. During the duration of the fellowship, FCT will cover social medical assistance and a personal accidents insurance of the fellow, but not that of his/her dependents. In all patents, papers and publications resulting from the fellowship, acknowledgement will be made of both FCT and SESAME. Two reprints of any publication resulting from this work will be sent to the Scientific Director of SESAME.

Applicants wishing to be considered for these fellowships are to submit the following in English to SESAME Email portugal.fellowship@sesame.org.jo :

- **A completed application form**
- **Short curriculum vitae** (academic qualifications and positions held; major fields of training and research experience; and, in no more than five lines, current research work)
- **List of Publications** Mark with an asterisk the five most significant ones. **Do not submit articles and do not list or submit abstracts.**
- **Synopsis of proposed work at FCT** to be written by the applicant on no more than two A-4 sized pages of single-space text set out under the following headings: (1) Title; (2) Nature of the work and outline of the experiments proposed; (3) Why it is necessary to go to Portugal to perform the work; (4) Why the project will require the time period requested. All references to publications should be given in full. In addition, a timetable of the experimental work to be carried out is to be set out on an extra page.
- **A letter supporting your application** from an experienced scientist who knows your work. This should be written on headed paper of your referee's laboratory.

The closing date for the submission of applications is November 1, 2009