

SESAME – DIAMOND FELLOWSHIP PROGRAMME

Diamond light Source is the national synchrotron facility based in the United Kingdom, located in South Oxfordshire, UK. The facility has 18 operational beamlines with number of Technical Divisions for engineering and accelerator training.

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

- Research areas in science related to the Diamond beamlines
- Front-ends for Beamlines (Bending Magnet, Undulator, Wiggler)
- Instrumentation and Electronics
- Software and Computing specific to beamlines
- Vacuum and Control Systems
- High Power Radio Frequency.

Applicants should hold a M.Sc. or PhD degree in either of the following fields: Physics, Electrical Engineering, Mechanical Engineering, Chemistry, Biology.

Diamond will provide recipients of a fellowship a monthly stipend to cover their living expenses in the UK. It will be up to the recipient of a fellowship to cover their travel costs to and from the UK and the medical insurance.

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.

In all patents, papers and publications resulting from the fellowship, acknowledgement will be made of both DIAMOND 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 fellowships@sesame.org.jo. In the subject field of the email you must put “Diamond-SESAME Fellowships”.

- **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 research at Diamond** 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 Diamond 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 15th May 2010.
For further information please consult www.sesame.org.jo.