

RESEARCH GRANT

Job reference: CQM11-02M-PTDC/CTM/098451/2008
(M/F)

The Madeira Chemistry Research Centre (**CQM-Centro de Química da Madeira**) at the University of Madeira, Funchal, Portugal, offers a grant for scientific research in the framework of the Project **OPUSGRAFT- Oligo(phenylene ethynylene)s Derivatives Covalently Grafted Onto Porous Silicon: Novel Hybrid Molecular/semiconductor Systems for Application as Waveguides (PTDC/CTM/098451/2008)**, supported by the Portuguese Foundation for Science and Technology (FCT)/Portuguese Ministry of Science, Technology and Higher Education (MCTES, PIDDAC) in the following conditions:

1. Scientific Area: Science and Materials Technology

2. Admission requirements: The candidates must have a **Master degree** in Chemistry, Materials Science or in related fields. Preference will be given to candidates with experience in the field of synthesis and characterization of organic and organometallic compounds and X-Ray diffraction. IMMEDIATE AVAILABILITY is required.

3. Work plan: The researcher will participate in the following tasks in the scope of the Project: (1) Synthesis and characterization of Oligo(phenylene ethynylenes) (OPEs) Derivatives self-grafting on porous silicon; (2) Structural characterization of OPEs derivatives by X-Ray Diffraction.

4. Applicable laws and regulations: Portuguese Law n. 40/2004, of 18 of August (Research Grant Holder Statute); FCT Regulations for Advanced Training and Qualification of Human Resources 2010.

5. Work place: The work will be developed at the Madeira Chemistry Research Centre under the supervision of Professor João Rodrigues.

6. Grant term and status: The grant will last for six months in full-time, and is expected to begin before **15 April 2011**. The grant contract may be renewed up to a maximum of 24 months.

7. Value of monthly maintenance allowance: The scholarship amounts to **€ 980** by month (free of taxes), according to the monthly maintenance stipend awarded directly by the FCT in Portugal (<http://alfa.fct.mctes.pt/apoios/bolsas/valores.phtml.en>), plus fringe benefits (accidents and social insurance).

8. Selection method and evaluation criteria: The selection process will be based on the curriculum evaluation by application of the following criteria: a) Proven experience in the area of synthesis and characterization of organic and organometallic compounds and X-Ray diffraction (45%); b) Remaining curriculum vitae and motivation letter evaluation (45%); c) Recommendation letters and other documents if applicable (10%).

9. Jury composition: **João Rodrigues** (Head of the Jury), **José Mesquita**, **Helena Tomás**, **José Câmara** (1st substitute member), **Pedro Pires** (2nd substitute member).

10. Results disclosure: The final evaluation results (ordered list based on the obtained classification) will be disclosed in the Madeira Chemistry Research Centre web site (<http://cqm.uma.pt>), and the candidates informed by e-mail about the final decision.

11. Deadline and submission of applications: The call is open from 10 to **25 of March 2011 at 17h (Lisbon time)**. Applications should be submitted by e-mail (cqm@uma.pt) only (**e-mail subject:** Job/Fellowship reference, **CQM11-02M-PTDC/CTM/098451/2008**), with the following information: a) Motivation letter; b) Detailed *Curriculum Vitae*; c) Official and complete academic certificates in Portuguese or translated to English (certificated translation); d) Two recommendation letters or name and e-mail contacts of two referees.

Further information at <http://cqm.uma.pt> or www.uma.pt/irmmrg

CQM follows the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Commission Recommendation, Brussels, 11.3.2005, 2005/251/EC), is committed to the principle of equity in employment and welcomes applications from all qualified individuals.