

RESEARCH GRANT (MASTER)

Centro de Química da Madeira (CQM), Madeira Island, Portugal

Job Reference: CQM-15-06-SEM

Within the framework of the Strategic Plan of CQM for 2015-2017 (Refª UID/QUI/00674/2013), supported by national funds (PIDDAC) through the Ministério da Ciência, Tecnologia e Ensino Superior (MCTES)/Portuguese Foundation for Science and Technology (FCT), the **Centro de Química da Madeira** (CQM), University of Madeira, Funchal, Madeira Island, Portugal, is seeking for a researcher (M/F) holding a **Master Degree in Materials Engineering, Materials Science, Chemistry, Biochemistry**, or related fields **with experience in scanning electron microscopy (SEM) and related spectroscopies (EDX, etc.)**, to be responsible for the technical maintenance of a SEM equipment, analytical services, and research, in the following conditions:

Scientific Area: Chemistry/Biochemistry/Nanomaterials.

Admission requirements: The candidates must have a Master degree in Materials Engineering, Materials Science, Chemistry or Biochemistry, Physics or in another similar area. It is requested experience in scanning electron microscopy and interest in the field of Natural Products and/or Materials, namely characterization of polymers, natural fibres and nanoparticles by SEM/EDX. Experience in the area of nanochemistry as well as in the characterization of soft and hard nanomaterials by SEM/EDX will be also considered in the candidate evaluation.

Working plan: (1) Technical maintenance of the SEM equipment, optimization, implementation and updating of techniques and procedures; (2) Scientific and technic reports preparation; (3) Service management and services providing; (4) Development and support of research activities in the framework of the Natural Products and Materials Group.

Applicable laws and regulations: Portuguese Law n. 40/2004, of 18 of August (Research Grant Holder Statute); Regulations for Research Grants of the Foundation for Science and Technology (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and Grants Regulation of the University of Madeira.

Workplace: The work will be developed at the Centro de Química da Madeira (CQM), under the supervision of Prof. João Rodrigues. For further details, visit CQM web pages at <http://cqm.uma.pt>, or contact us by e-mail cqm@uma.pt.

Grant length: The grant will be for 6 months and is expected to begin in February 2016, eventually renewed until the project closure date.

The value of monthly maintenance allowance: The scholarship amounts to € 980 per month, according to table values of the scholarships awarded directly by the FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>).

Selection method: Selection will be made based on the *Curriculum Vitae* of the candidates and in the analysis of the rest of the documents.

Jury composition: Prof. João Rodrigues (President of the Jury), Prof. Helena Tomás, Prof. José Câmara (effective members), Prof. Pedro Pires (substitute member).

Results disclosure: The final evaluation results (ordered list based on the obtained classification) will be disclosed in the Madeira Chemistry Research Centre internet site (<http://cqm.uma.pt>). The selected candidate will be informed by e-mail.

Deadline and submission of applications: The call is open from 24th of December 2015 to 8th of January 2016 (17h00, Portuguese time). The candidatures must be done via e-mail to cqm@uma.pt, mentioning the reference **CQM-15-06-SEM**, together with the following documents:

- Motivation letter with the SEM experience;
- A brief statement of the applicant current and future research interest (Max. 2 A4 pag.);
- Detailed *Curriculum Vitae*;
- Academic certificates in Portuguese or translated into English (certificated translation);
- Working plan to be developed at CQM in the framework of the Natural Products and Materials Group's (Max. 2 A4 pag.);
- Recommendation letters or name and e-mail contacts of two referees.

Complaints: Complaints must be submitted by email to gabinetedareitoria@uma.pt

CQM is a National Research Unit and a “refugee-welcoming organisation” that follows the European Charter for Researchers, the Code of Conduct for the Recruitment of Researchers (Commission Recommendation, Brussels, 11.3.2005, 2005/251/EC), and is committed to the principle of equity in employment and welcomes applications from all qualified individuals.

