**RESEARCH GRANT**

**PTDC/CTM-NAN/112428/2009**

(M/F)

The Madeira Chemistry Research Centre (**CQM-Centro de Química da Madeira**) at the University of Madeira, Portugal, offers a grant for scientific research in the framework of the Project **DENDRIMAT – New materials for drug/gene delivery based on the self-assembly of dendrimer-chitosan-single stranded DNA** (**PTDC/CTM-NAN/112428/2009**) supported by the Portuguese Foundation for Science and Technology (FCT)/Portuguese Ministry of Science, Technology and Higher Education (MCTES, PIDDAC) in the following conditions:

**Scientific Area**: Chemistry/Biochemistry (Nanomaterials for Biomedical Applications)

**Admission requirements**: The candidates must have a Master degree in Chemistry, Biochemistry, Materials Science or in related fields. Preference will be given to candidates with experience in nanomaterials for biomedical applications and/or molecular modeling.

**Work plan**: The researcher will participate in the following tasks in the scope of the Project: (1) Synthesis of PAMAM dendrimer-chitosan-ssDNA conjugates and their physicochemical characterization; (2) Prediction of the organization, stability and physicochemical properties of the assemblies using suitable molecular computational methods; (3) Study of the self-assembling process and physicochemical characterization of the assemblies; (4) Study of the potential application of the materials as drug/gene delivery vectors for bone regeneration.

**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; Grants Regulation of the University of Madeira.

**Work place**: The work will be developed at the Madeira Chemistry Research Centre under the supervision of Prof. Helena Tomás.

**Grant length:**  The grant will last for 6 months and is expected to begin in 1 of October 2013.

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

**Selection method**: Selection will be made based on the *Curriculum Vitae* of the candidates.

**Jury composition**: Prof. Helena Tomás (President of the Jury), Prof. João Rodrigues, Prof. José Câmara, 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 17 to 31 of July 2013. The candidatures must be done via e-mail to [cqm@uma.pt](mailto:cqm@uma.pt), indicating CQM-13-08-PTDC/CTM-NAN/112428/2009 in the email subject together with the following documents: *Curriculum Vitae, copy of academic certificates.*

**Dates for disclosure and deadline for complaints:** The list of candidates admitted to the competition shall be published by September 2, 2013 and the deadline for complaints, by means of an email to [gabinetedareitoria@uma.pt](mailto:gabinetedareitoria@uma.pt), is September 5, 2013. The ranking list of candidates will be published by September 6, 2013 and the deadline for complaints, by means of an email to [gabinetedareitoria@uma.pt](mailto:gabinetedareitoria@uma.pt), is September 12, 2013.

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.