University of Évora
HERCULES Laboratory / Geophysics Centre of Évora

It is open to award a grant for one postdoctoral research position within the project "**IMAGOS – Inovative Methodologies in Archaeology, Archaeometry and Geophysics – Optimizing Strategies X APOLLO – Archaeological and Physical On-site Laboratory – Lifting Outputs**, operation nº Alen-º 07-0224-FEDER-001760, co-funded by the European Regional Development Fund (FEDER) through the INALENTEJO - Specific Regulation Support System Entities System National Science and Technology.

Advertisement for the award of a Postdoctoral Research Grant
May 8, 2013

Admission Requirements: PhD in applied geophysics or equivalent area (Geoengineering/Physics); fieldwork experience (in potential methods and/or electromagnetic methods); intermediate/advanced skills in programming languages. The investigator must show interest to hire and ability to integrate multidisciplinary teams with scientists from the fields of archaeology, chemistry, geology, and conservation and restoration.

Work plan: The APOLLO project will contribute to the overall objectives of the program IMAGOS, focusing on the development and application of geophysical methodologies for the non-destructive and in-situ investigation of important archaeological sites. In particular, the APOLLO project intends to adopt a fully integrated approach that combines archaeological and geophysical activities, in-situ chemical analysis, and interpretation and integration of research with natural science and management/conservation of heritage. A deeper understanding of archaeological sites and their territories, and the creation of a centre of theoretic and experimental knowledge applicable to other archaeological and cultural heritage contexts are expected results in this project.

Thus the investigator to hire and considering his/her profile should develop and use techniques and methodologies in the field of non-invasive geophysical application to archaeology, more precisely:

- Refine and apply to archaeology techniques used in investigating potential ground geophysics: magnetometry (passive method); electrical

resistance/resistivity (active method); electromagnetic (active method), magnetic susceptibility (active method).
- Collaborate in planning and implementing geophysical studies articulated between archaeometry and the analysis and interpretation of geophysical data, obtained by a variety of techniques for large-scale archaeological campaigns.
- Participate in the preparation of reports and scientific papers.
- Collaborate on activities related to the University of Évora and post-graduate teaching activities.

Legislation and regulations: The grant for this post-doctoral research fellowship will be held by a contract between the University of Évora and the grantee under the Research Grant Regulation from the University of Évora (Service Order No. 1/2011), Research Fellow Statutes (Law No. 40/2004 of 18 August and Decree-Law No. 202/2012 of 27 August), and in accordance with the rules and regulations for Advanced Training and Qualification of Human Resources of FCT.

Place of work: The work will be developed in the Geophysics Centre of Évora, HERCULES Laboratory, and the University of Évora, under the scientific guidance of Professors Bento Caldeira and José Fernando Borges.

Duration of the grant: The grant will run for 18 months, commencing in July 2013.

The grant will be paid monthly by check or bank transfer, with a value of 1495€/month according to the table of FCT values for scholarships, http://alfa.fct.mctes.pt/apoios/bolsas/valores.

Methods of selection: The selection will be carried out in two stages: curriculum evaluation, and interview.

In the first stage, candidates will be serialized based on curriculum with the following parameters:
a) The adequacy of the scientific area of expertise, and fieldwork experience (maximum 40 points).
b) Experience in working with multidisciplinary teams (maximum 20 points).
c) Scientific research (scientific papers, and presentations presented at national and international conferences) in the areas mentioned in the Admission Requirements (maximum 20 points).

The score obtained in *Curriculum Evaluation* will be the sum of the points in the previous parameters.

Selected 5 best ranked CV's will pass to the second stage of selection. The second phase of ranking comprises:

a) Curriculum evaluation on the first phase (maximum 80 points)

a) Interview with the candidate (maximum 20 points).

Form of advertising/notification of results: The final evaluation results will be published in a list with discriminated final scores of the candidates obtained in the selection made by the jury and affixed in HERCULES Laboratory, with registered address at *Largo Marques de Marialva, 8, Évora* or in *http://www.hercules.uevora.pt/projectos*, being the approved applicant notified by email.

Deadline for applications and forms for submission of applications: 10 to 23 May 2013 and the results of the selection will be published by June 6, 2013.

Applications must be formalized, necessarily, by sending a letter of application accompanied by the following documents: Document ID, CV, academic certificate, letter of motivation and other documents considered relevant.

Applications should be sent by post or email to:

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