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 Biodeterioration of miscellaneous materials

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Positions available

Project “Advanced Research Training on the Conservation of Cultural Heritage”

This Early Stage Training Action is a multidisciplinary approach for the study of conservation of cultural assets and materials. Two mid-term (17 and 10 months) and 3 short-term (6 months) research and training stages are available.

The topics and places are the following:

1. **MORTARS AND CONCRETE IN MONUMENTS** (17 months). Instituto Eduardo Torroja de Ciencias de la Construcción (IETCC), Consejo Superior de Investigaciones Científicas, Serrano Galvache 4, 28033 Madrid, Spain.
2. **ASSESSMENT OF THE DURABILITY OF BUILDING STONES BY MEANS OF NON-DESTRUCTIVE TECHNIQUES** (10 months). Instituto de Geología Económica (IGE), Consejo Superior de Investigaciones Científicas. José Antonio Novais, 2, Facultad de Ciencias Geológicas, Universidad Complutense, 28040 Madrid, Spain.
3. **CHROMATIC DETERIORATION OF NATURAL AND ARTIFICIAL MATERIALS IN FAÇADES** (6 months). Instituto Eduardo Torroja de Ciencias de la Construcción (IETCC), Consejo Superior de Investigaciones Científicas, Serrano Galvache 4, 28033 Madrid, Spain.
4. **ATOMIC FORCE MICROSCOPY FOR THE STUDY OF CULTURAL HERITAGE ASSET SURFACES** (6 months). Instituto de Ciencia de Materiales (ICMSE), Consejo Superior de Investigaciones Científicas, Americo Vespucio s/n, 41092 Sevilla, Spain.
5. **DEGRADATION AND CONSERVATION TECHNIQUES OF ARCHITECTURAL HERITAGE** (6 months). Instituto de Geología Económica (IGE), Consejo Superior de Investigaciones Científicas. José Antonio Novais, 2, Facultad de Ciencias Geológicas, Universidad Complutense, 28040 Madrid, Spain.

Eligibility criteria

This action supports the initial training of researchers, typically during the first four year of their research careers, starting at the date of obtaining the degree which would formally entitle them to embark on a doctorate. We are looking for young and highly motivated individuals with a MSc in Geology (positions 1, 2 and 5), Material Sciences (position 3), and Chemistry or Physics (position 4). Other related specializations will be also considered. The candidates should have a strong background and currently undertaking studies in a subject area similar to that of the training site. A high level of English skill is required.

The applications should include experience in the field of research, aptitude of the candidate to carry out an individual training/mobility project, capability for integration in a research team, potential for excellence, impact and the benefit of the proposed training to the individual fellow's research career and their origin country, academic degree obtained and date, list of scientific publications and participation in congresses, willingness to carry out an intense research training programme, and potential interest in a multidisciplinary research based on Cultural Heritage.

The positions are not available to Spanish or EU citizens with residence in Spain, but to EU citizens.

Applications

Candidates are invited to send an application letter indicating the position requested, a European CV and two reference letters to the project coordinator: Prof. Dr. C. Saiz-Jimenez, Instituto de Recursos Naturales y Agrobiología, Apartado 1052, 41080 Seville, Spain. Email: coalition@irnase.csic.es

Deadline for submission of applications: 1st September 2007. On 15th September 2007 the candidates selected will be invited to send the documents requested for holding a temporary position.



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