As part of the FP7 Marie Curie Initial Training Network BIOBONE: “Bioceramics for Bone Repair”, the Centre for Structural Integrity, Micromechanics and Reliability of Materials (CIEFMA) invites applications for a Marie Curie ESR fellowship that will provide broad-based inter-sectoral training and engagement in research leading to the award of a PhD. This will provide the opportunity to work in the laboratories of the consortium of academic and industrial partners across Europe. This program will include both local and international training courses organised by the academic partners (Imperial College of Science, Technology and Medicine (UK), University of Erlangen-Nuremberg (D), INSA (F), AO Research Institute (SW), University of Mons (B)) together with secondments to other laboratories of industrial partners (CeramTec (UK), Noraker (F), CERAM (UK)) and associated partners (Keramat (E)).

The overall BIOBONE network will provide a unique opportunity for a total of 12 researchers in early stages of their careers to study emerging research topics in the field of bioceramics.

The fellow to be recruited to Universitat Politècnica de Catalunya will be employed under full-time fixed-term contract with full social security coverage and all benefits in accordance to Marie Curie ITN fellowship regulations (highly competitive remuneration plus allowances for living and mobility expenses). Early Stage Researchers will register to read for a PhD degree in UPC through the Doctoral Programme of this University. The duration of the fellowships is 36 months full time study.

Research activities will be carried out at the premises of UPC in close collaboration with the partners in the BIOBONE network. The fellow will spend 4-6 months visiting one of the BIOBONE collaborating partners and will participate in a private sector secondment.

The fellow will join the BIOBONE workshops and meetings each six months and will perform its individual research project in UPC by studying advanced bioceramics with emphasis in the aspects of surface microstructure and mechanical properties.

This post is open to both science graduates, materials and mechanical engineers, preferably with a master degree. The fellowships will be highly competitive and candidates will need to present evidence of a broad based training and their potential to use their acquired knowledge to contribute to the success of this research.

Start date: **1st September 2012**

**Funding**

Funding is available for 36 months, which include full international tuition fees and a stipend of approximately 38,000 Euros per year, plus mobility allowance.

**Eligibility**

To be eligible, you must be in the first 4 years (full-time equivalent) of your research career. This includes the period of research training, starting at the date of obtaining the degree which would formally entitle you to embark on a doctorate either in the country in which the degree was obtained or in the country in which the initial training activities are provided, irrespective whether or not a doctorate is envisaged.

**Residency:** Open to EU and International Students as outlined in the Marie Curie Guidelines as follows:

To be eligible, each researcher must simultaneously fulfill the following criteria at the time of recruitment by the beneficiary concerned in the frame of this project.
(a) Nationality
The researcher may be a national of a Member State of the Union, of an Associated Country or of any other third country.

(b) Mobility
At the time of selection by the host organisation, the researcher may not have resided or carried out his/her main activity in the country of the beneficiary for more than 12 months in the 3 years immediately prior to his/her appointment. Short stays such as holidays are not taken into account.

Academic requirements:
Bachelors (BSc; upper 2nd class or above) or Masters Degree in a relevant science or engineering degree (materials science and engineering, chemical engineering, mechanical engineering, physics, chemistry, etc).

Language requirements: Good knowledge of English.

How to Apply
Short listing will be based on the submission of a CV and a personal statement of intent. Final selection will be based on the fit with the overall program and possibly an interview. Please send your CV and Covering Letter by e-mail to:
Professor Marc Anglada, Department of Materials Science and Engineering, ETSEIB, Avda. Diagonal 647, Barcelona 08028, Spain
E-mail: marc.j.anglada@upc.edu

Application Deadline: Application deadline is open until the post is filled, applications received before 30/5/2012 will be shortlisted and considered on May 2012.

Further Information
For further details please contact Professor Marc J Anglada, marc.j.anglada@upc.edu
Phone: +34 (0)934016701

Additional information: Besides the post announced here, as said above, there are similar 11 fellowships in the other academic partners and 3 postdoctoral positions at industrial partners, for which candidates which have had residency in Spain in the last years can apply. Consult BIOBONE web page or contact prof. Marc J. Anglada.