
JOB-OFFER + PhD THESIS Multiscale Modelling

- * People interested in developing a PhD research career with research lines involved in an international project EU+USA level.
- * Direct funding at the initial stages through a research contract.

We offer:

One year contract within an EU project + continuation Thesis (public system funding) in International PhD program

Lines of research:

- Multiscale modeling of advanced Nano-structured materials for engineering. Super-Materials at limit conditions (extreme pressures and radiation conditions).
- Theoretical design of new advanced materials for Industry.
- Possibility of participation in a EU network of research and inside a trans-national consortium of Spanish experts in Materials and Nanotechnology.
- Participation in the EU-FP7-Project RADINTERFACES
- Participation in the Spanish Transnational networks and platforms: MULTINANOMAT, INNANO

Prerequisites:

- Graduate on Physics, Chemistry, or Engineering. Exclusive: Year of Graduation 2011 or younger.
- MSc in Materials is a plus.
- Essential and of critical importance: Have a good academic record (> 2.5/4)
- Spanish Nationality or EU (with diplomas and marks already con-validated according to the Spanish Ministry/System

- * Motivation and ability to work in a cross-field inside multidisciplinary teams.
- * Feeling excite and enthusiastic to explore new fields.
- * High degree of understanding
- * Ability to communicate and work inside a team.
- * Desirable a high level of programming. Used to work in Linux OS environments.
- * MD simulation skills are a plus.
- * Possibility to do short-medium term stays in foreign high-level research institutions.

You will work in a young but enthusiastic environment, now based in Burgos. I+D+I research center & Scientific Park.

Close collaboration with Univ. of Oviedo and IMDEA materials (Madrid). Permanent collaborations with International Institutions like: Los Alamos National Laboratory (USA), CNRS (France), the French "elite" University Ecole Normale Superieure - Lyon (France), the neutron reactor facility Institute Laue Langevin (ILL) – Grenoble (France) ...

Contact:

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