

Postdoctoral fellowship in nanoparticle synthesis, characterization and functionalization

MAGNETIC NANOPARTICLES FOR NERVE REGENERATION

European NanoSci-E+ Project: MARVENE

An experimental post doctoral fellowship is available at the Nanoscience Institute of Aragón (INA) concerning inorganic **nanoparticle synthesis**, physical and chemical characterization, and surface functionalization for biomedical applications on Nerve Regeneration. The project is being developed by an European Consortium composed of four leader biomedical groups from Italy, UK, Germany and Spain.

The postdoctoral candidate will lead research activities including (1) nanoparticle synthesis, (2) analytical methods for characterization, and (3) surface modification of nanoparticles. State-of-the-art facilities are available for materials fabrication and characterization. Ability to work in multidisciplinary environments is required.

Any PhD profile, including chemical engineering, inorganic chemistry, physics or a related field will be considered, provided that candidate's background includes a heavy emphasis in synthesis and proven expertise in the preparation of colloidal nanoparticles (sol-gel, thermal decomposition, or related). Also previous experience on nanoparticle functionalization is highly desirable. We seek good working knowledge of characterization techniques such as TEM, SEM, SQUID, FT-IR, UV-Vis, DLS and/or DSC. Candidates are not expected to have all of these skills. **Postdocs will be expected to independently conduct research and draft manuscripts for publication.** Experience with equipment maintenance is desirable.

- Fellowship is for 1+1+1 years, renewable on a mutual agreement basis.
- Deadline for submission of CV is July 20th.
- Estimated starting date is September 1st 2009.
- Salary will be 2000-2500 €/month, depending on candidate's qualifications.

Applications will initially require a full CV, 2 letters of reference, and availability for personal/TE interview.

Contact Person:

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More info about this position and the group: <http://www.unizar.es/gfaian/>

