

RESEARCH ASSISTANT POSITION

Magnetic nanoparticles for cancer therapies

Position description:

The Functional Nanomaterials (FN) group at The Catalonia Institute for Energy Research (IREC- Barcelona, Spain) is seeking for a motivated candidate to join the hiQ-mag project to develop novel processes for the synthesis of magnetic nanoparticles. The candidate will focus in the design of a large-scale colloidal synthesis method to produce magnetic nanoparticle with control over size and shape. The final project goal is to produce nanoparticles for cancer cell hyperthermia and/or MRI. The research project will be carried out at IREC where the candidate will have access to cutting-edge research facilities surrounded by an international environment.

Job offer:

We offer a 6 month contract with the chance to extend it further.

Candidate profile:

The FN group is seeking for a motivated candidate (Master or PhD students) with a background in nanotechnology, chemistry, physics or engineering.

Application:

Interested candidates are welcome to send their CV and a brief description of their scientific interests. Master students are welcome to submit a summary of their academic record.

About IREC

The Catalonia Institute for Energy Research (IREC) is a public research institute contributing to the development of a more sustainable future for energy usage and consumption. As a research center based in Barcelona (Spain), IREC is part of the CERCA and TECNIO research center. At IREC, the core activities of the FN group are the preparation and characterization of novel functional materials for environmental, energy or biomedical applications. IREC tightly collaborates with companies and industrial leaders such as Gas Natural Fenosa, FAE, ELHCO, Delphi, Electricité de France (R+D), Repsol, Würth Solar, Flisom AG, Sunplugged Solare Energiesysteme GmbH, Advanced Coatings and Construction Solutions srl (AC&CS, Belgium), Abengoa Solar New Technologies, Acciona, Grupo Torrecid, among others. At European level, IREC is also involved in the Knowledge and Innovation Community (KIC) Innoenergy.

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