

Job Title: Technician in Nanostructured Functional Materials Group

Description

Area or Group of research: Nanostructured Functional Materials Group

Description of Group/Project:

Microencapsulation of active ingredients and physico-chemical characterization of microcapsules and microparticles (chemical composition, morphology and controlled release studies).

Main Tasks and Responsibilities:

The candidate will be contracted for a 2-year project in collaboration with an industrial partner, dealing with the microencapsulation of active ingredients and further characterization of microstructures with regard to their physical and chemical properties, and particularly to the controlled release of said active payloads.

The candidate should be a Chemical Engineer or Bs. C. in Chemistry or Nanotechnology, with extensive hands-on experience in the characterization of micro- and nanomaterials by electron microscopy & AFM techniques, as well as UV-Vis and IR spectroscopy and thermal analysis (DSC, TGA). The candidate should demonstrate experience as well in projects under contract with private companies.

The candidate should have excellent oral and written skills both in Spanish and English, and be able to prepare written reports and presentations, intended both for periodic in-house evaluation and scheduled meetings with the industrial partner. Preferably, the candidate should have additional experience in micro/nano-encapsulation techniques, and be able to prove co-authorship of written publications and/or patents showing his/her involvement in prior research projects.

Education, Experience, Knowledge and Competences Required:

Education

Engineer or B. Sc.

Knowledge

- Microencapsulation techniques, characterization of micro and nanomaterials by microscopy (SEM, TEM, AFM).
- Oral & written English & Spanish

Professional Experience

- Hands-on knowledge of, at least, SEM & TEM techniques, UV-Vis & IR spectroscopies, thermal analysis;
- Preparation of periodical written reports and oral presentations, writing of research papers;
- Preferably, participation in projects in collaboration with, or funded by the private sector.

Summary of Conditions:

- Full time work (37,5h/week)
- Contract Length: 22 months
- Salary will depend on qualifications and demonstrated experience.
- Support to the relocation issues.
- Estimated Incorporation date: 01/03/2017

How to apply:

All applications must be through the ICN2 website:

<http://jobs.icn2.cat/job-openings/104/technician-in-nanostructured-functional-materials-group>

and include:

1. A cover letter.
2. A full CV including contact details.
3. 2 Reference letters or referee contacts.

Equal opportunities:

ICN2 is an equal opportunity employer committed to diversity and inclusion of people with disabilities.