

**JOB VACANCY: Testing**

**ECSIN (European Center for the Sustainable Impact of Nanotechnology)**, within Veneto Nanotech Cluster, aims at evaluating the nanotechnologies' impact on the environment and human health, as well as studying the ethical, legal and social implications of nanotechnologies.

The ECSIN Laboratory has already started some research activities, carried out within the following technology platforms:

- ***in vitro* analysis of the effect of nanoparticles and nanostructured materials on biological systems (nanotoxicology)**
- **monitoring of nanoparticles in environmental matrices, as well as work exposure scenarios.**

and its researchers' team is currently involved in both European and National collaborative projects. Furthermore, several collaborations with Italian and Venetian universities have been set up.

Within the activities of *in vitro* nanotoxicology research, ECSIN is seeking:

**1 SENIOR RESEARCHER**

to join the activities of several research projects. The main activities will concern different aspects of optimization of research protocols and molecular endpoints for the *in vitro* assessment of cytotoxicity of nanoparticles. In particular, the selected candidate will be required to contribute to the development of a battery of appropriate tests to study the cytotoxic effect of nanoparticles, through the comparison of different techniques in different cell models. Advanced knowledge of cellular techniques (experience in primary cell cultures), molecular biology techniques (nucleic acid extraction, quantitative PCR) and biochemistry (e.g. Western Blot analysis and Elisa) are required. The selected candidate will plan, execute and document experiments independently and should be prepared to be flexible and adapt to new technologies and projects.

**The successful candidate must have:**

- **Master Level Degree in Biology, Biotechnology, Pharmacy or similar fields;**
- **Ph.D. in the area of Cellular Molecular Biology, Biotechnology, Medical Sciences or 3 years experience;**
- **excellent ability to work with cell culture techniques and good experience with cell biology, molecular biology and biochemistry techniques;**
- **ability to autonomously analyze scientific literature and propose novel solutions for a technical problem;**
- **ability to clearly expose both written than oral data, and to supervise junior researchers;**
- **ability to work with others in a team environment.**

**Experience in electron microscopy, confocal microscopy or flow cytometry will be considered a plus.**

**The successful candidate will be offered:**

- research contract up to three years;
- salary according to the candidate's education and experience;
- possibility to gain knowledge and technical skills in the field of nanotoxicology.

Male and female candidates are invited to send their CV along with a cover letter to [ecsin@venetonanotech.it](mailto:ecsin@venetonanotech.it) by **28<sup>th</sup> February 2011**.

After the CVs evaluation, the most suitable candidates will be contacted for an interview.