

JOB VACANCY: Testing/Cell culture

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 JUNIOR RESEARCHER

to join the activities of several research projects. The main activities, focused on the optimization of research protocols and molecular endpoints for the *in vitro* assessment of cytotoxicity of nanoparticles, concern cellular culture with different cell lines and human/animal primary cells, cytotoxicity tests, molecular biology techniques (nucleic acids extraction, PCR) and biochemistry (Western Blot analysis and Elisa). The selected candidate will 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;**
- **ability to work autonomously with cell culture and cell biology techniques and good experience in cell techniques and molecular biology;**
- **ability to autonomously analyze scientific literature and present data;**
- **the ability to work with others in a team environment.**

Experience in microbiology and microscopy (confocal or flow cytometry) will be considered a plus.

The successful candidate will be offered:

- research contract up to two 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 by **28th February 2011**.

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