

**JOB VACANCY: Econanotoxicology**

**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 research activities in econanotoxicology on environmental biomarkers, ECSIN is seeking:

**1 SENIOR RESEARCHER**

To be inserted as support in different research projects.

The activities to be performed concern the optimization of protocols for the study of the effects of nanoparticles' and nanostructured materials' toxicity; in particular, the selected candidate will be required to contribute to the development and application of a battery of appropriate tests to determine the toxic effects of nanoparticles on different organisms already known in literature as environmental biomarkers (prokaryotes, eukaryotes and higher organisms).

**The successful candidate must have:**

- **Master Level Degree in scientific disciplines within the biological and environmental area, such as Biology, Biotechnology, Environmental Sciences or similar fields;**
- **Ph.D. in biological and environmental area, or 3 years experience;**
- **good knowledge of microbiology, cell culture and molecular biology techniques and traditional ecotoxicity tests (e.g. vitality test, growth, mobility, mutation, reproduction, etc.);**
- **ability to analyze the scientific literature autonomously, to present results and write scientific reports;**
- **the ability to work with others in a team environment.**

**The successful candidate will be offered:**

- research contract up to 3 years;
- salary according to the candidate's education and previous experience;
- the possibility to gain knowledge and technical skills in ecotoxicology applied to nanotechnologies, working in a new structure equipped with state-of-the-art instrumentation.

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

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