

## **JOB VACANCY: Characterization**

**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 different research activities, ECSIN is seeking:

### **1 JUNIOR RESEARCHER**

To be inserted as support in different research projects.

The activities to be performed concern the development of protocols for the characterization and quantification of engineered nanoparticles in environmental matrices, necessary for all studies on their toxicity and environmental fate. In particular, the selected candidate will be required to contribute to the development of analytical methods for the identification of the main parameters characterizing different types of nanoparticles, through the application of qualitative and quantitative analytical techniques (e.g., chromatographic separation methods and para-chromatographic, mass spectrometry with inductively coupled plasma source, etc.).

**The successful candidate must have:**

- **Master Level Degree in scientific disciplines within the chemical and environmental area;**
- **good knowledge of traditional instrumental analytical techniques, in particular paired techniques (separation and mass spectrometry);**
- **ability to analyze the scientific literature autonomously and present results;**
- **the ability to work with others in a team environment.**

**The successful candidate will be offered:**

- research contract up to 2 years;
- salary according to the candidate's education and experience;
- the possibility to gain knowledge and technical skills in the characterization of nanoparticles, 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 [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.