

JOB VACANCY: Molecular Biology

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 a European research project. Activities will be mainly in the area of gene expression profiling, protein expression and interaction, and research and validation of biomarkers indicating cellular and systemic stresses after the administration of engineered nanoparticles and of life cycle simulation products. Activities will mainly involve the use of techniques of qPCR, analysis of functional genomics results, protein expression profiling.

The successful candidate must have:

- **Master Level Degree in Biology, Biotechnology, Pharmacy or similar fields;**
- **Good knowledge of molecular biology techniques, such as nucleic acids and proteins purification, qPCR, protein expression and interaction analysis;**
- **the ability to work with others in a team environment.**

Experience in cell biology and microbiology, as well as the experience in nucleic acids and proteins purification from tissues 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;
- opportunity to work in the field of nanotoxicology, 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 by **28th February 2011**

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