

FP7 - Marie Curie Initial Training Network (ITN)

SUPERIOR - SUPramolEcular functional nanoscale archItectures for Organic electronics: a multi-site initial tRaining action

1 October 2009 – 30 September 2013

Openings APEResearch srl TRIESTE – ITALY : 2 Post Doc positions

SUPERIOR aims at providing top-quality cross-disciplinary and supra-sectoral training to a pool of promising young researchers, in an area at the interface between Supramolecular Chemistry, Materials- and Nano-Science, Physics and Electrical Engineering. SUPERIOR is designed to generate new scientific and technological knowledge by combining supramolecularly-engineered nanostructured materials (SENMs), mostly based on organic semiconductors, with tailor-made interfaces to solid substrates and electrodes, for fabricating prototypes of optoelectronic devices. We are particularly interested in developing multiscale SENMs for transistors (FETs), in-plane diodes single-photon emitters, and especially solar cells (PVDs) and organic light-emitting diodes, OLEDs.

The specific training and research objectives at APEResearch are:

- 1. Hierarchical self-organisation of multifunctional SENMs at surfaces. Multiscale SPMs studies of physico-chemical properties**
- 2. Advanced devices processing/(nano)fabrication**

Open positions

To achieve the objectives above we are currently aiming to recruit a pool of talented, energetic, strongly motivated, young scientists at Experienced Researcher (ER, i.e. post-doc) level.

Positions are intended primarily to encourage mobility of researchers among EU countries although a small number of appointments can be for ESRs or ERs from third countries. Women are especially encouraged to apply.

Experience in AFM and STM development will be appreciated.

Each researcher will benefit from a wide ranging training programme that will take advantage of both “indoor” (i.e. at the principal host institution, for example taught courses for master or PhD students) and “outdoor” activities (i.e. at other nodes, or other events such as training schools, conferences, workshops etc.).

Each researcher will have the opportunity to spend a significant secondment period (2 months or longer) at the another node of the network to acquire familiarity with different techniques.

Details about the positions and the person to contact are given in the table below.

Position one in APEResearch is for starting on 1st December 2009 or soon thereafter.

Position two in APEResearch is for starting on 1st February 2011 or soon thereafter.

Node	Principal investigator	Field of research	Positions *
A.P.E. Research, Trieste, Italy	Stefano Prato	fabrication of new Scanning Probe Microscopies	2 Post Docs (min.12-max.24 months)

* **Post Doc candidate - ER= Experienced Researchers (PhD or research experience > 4 years but < 5 years).**

For CV and info: infos@aperesearch.com

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