PhD and Post-graduate positions at the Barcelona Science Park
Training for Micro-Analytical Platform Technology (MAPTech)
Marie Curie training project

The Barcelona Science Park (PCB, www.pcb.ub.es) hosts both public and private research groups and offers a wide range of technological facilities, all working in established (chemistry and pharmacy) and emerging (biotechnology and nanobioengineering) research areas.

The Laboratory of Nanobioengineering Research is a multidisciplinary centre where investigators affiliated with the University of Barcelona (UB) and the Polytechnic University of Catalunya (UPC) carry out research in joint projects on potential applications of nanotechnology in the biomedical field. The laboratory has access to powerful technological facilities including the scientific services of the PCB (culture rooms, characterisation services, etc.), the scientific services of the UB, and the PCB Nanotechnology Platform, which offers services such as nanomanufacturing, nanomanipulation and the analysis and characterisation of nanotechnologies. The Laboratory of Nanobioengineering Research forms part of the recently created Catalan Institute of Bioengineering (IBEC).

The laboratory is currently seeking to fill 2 posts to work within a Marie Curie integrated training programme for early stage researchers, “Training for Micro-Analytical Platform Technology (MAPTech)”. MAPTech will provide researchers with integrated experience and training in scientific research and technology commercialisation, particularly within micro-analytical systems, biosensors and nanotechnologies. MAPTech brings together host institutions with established research laboratories in Finland, Germany, Spain and the United Kingdom. Candidates enrolled on programmes at these institutions will be supported by training and mentoring incorporating a number of exchange periods available throughout the training term.

The projects available at the PCB include:

- **PhD position**: Printed nanostructures for nanosensor construction. Incorporating printed nanostructures and nanosensors within sensor systems. Within the term of each PhD programme, early stage researchers will be able to take advantage of the following secondment periods
  - A research training secondment at another partner institution
  - Structured learning in Nanotechnology and Microsystems through an applied study secondment at the University of Teesside with additional on-line learning

- **Post-graduate research and commercialisation research position**: Incorporating a commercial secondment which is to be organised by The Centre of Excellence for Nano Micro and Photonics Systems (Cenamps, www.cenamps.com) allowing participants to gain structured, accredited post-graduate certificate training in the areas of nanotechnology and microsystems.

Applicants must meet the Marie Curie Eligibility rules for Early Stage Research Training. Researchers, should have less than four years of research experience and, other than in the case of dual nationality, normally carry out the project in a host country different from his/her nationality. The candidates should have a materials, engineering or sensors background, with strong experimental skills and a proficiency in scientific reporting. Previous experience in biotechnology or biomedical domains are not mandatory, however an interest for these fields is important. A good level of either spoken English or Spanish is preferable.

For more information on Marie Curie early stage research training, including eligibility details, see [http://ec.europa.eu/research/fp6/mariecurie-actions/action/stage_en.html](http://ec.europa.eu/research/fp6/mariecurie-actions/action/stage_en.html).

For further details, or to apply, please send an up-to-date CV and covering letter before 20/09/06 to:

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