

THE PHANTOMS FOUNDATION COORDINATES THE FIRST SPAIN PAVILION AT TAIWAN NANO 2010 (TAIPEI, TAIWAN)

Madrid (Spain): October 5th, 2010

The Phantoms Foundation and the Spanish Institute for Foreign Trade (ICEX) will bring together for the first time a nanoscience and nanotechnology Spain Pavilion at Taiwan Nano 2010 (October 7-9, 2010 - Taipei World Trade Center Hall 1, Taipei, Taiwan <http://nano.tca.org.tw/index.php?lang=e>). In its 8th edition, Taiwan Nano hosts International Exhibition, a forum for market opportunities of nanoproducts, K-12 Educational Forum for Nanotechnology Nanoenergy as well as networking and partnerships.

Leading Spanish nanoscience and nanotechnology companies and research centers will showcase innovative technologies and projects from Spain under "Spanish Nanoscience and Technological Offer" presenting uses and advances in nanotechnology to better integrate the Spanish Science-Technology-Company-Society in Taiwan and the Global Market.

The Spain Pavilion will promote the "Spanish Nanoscience and Technological Offer", allowing to represent the scientific, technological and innovative agents of the country as a whole, to foster relationships with other Taiwan Nano 2010 participants, to promote country culture of innovation, to better integrate the Spanish "Science-Technology-Company-Society" system in Taiwan, to generate and to develop scientific and technological knowledge, to improve competitiveness and to contribute to the economic and social development of Spain.

The Spanish participation will group Companies and Research Centres providing an outlook of the most innovative projects and products in various fields of Nanoscience & Nanotechnology.

Participating companies/institutions within the Spain Pavilion:

1. Phantoms Foundation - www.phantomsnet.net (Coordinator)/ICEX - www.icex.es
2. CSIC - SPANISH NATIONAL RESEARCH COUNCIL - www.csic.es
3. Nanobiomatters Industries S.L. - www.nanobiomatters.com
4. NANOIMMUNOTECH S.L. - www.nanoimmunotech.es
5. NANOMAC - <http://aciisi.itccanarias.org/agencia/>

CSIC, Nanobiomatters Industries S.L. and Phantoms Foundation will present their most innovative technological offer, products and activity during the dedicated time slots at the forum for market opportunities of nanoproducts.

About the Phantoms Foundation, this Non-Profit organisation was established in 2002 (Madrid, Spain) in order to provide high level Management profile to scientific projects. This association plays an important role in the 6th and 7th Framework Programmes as a platform for European funded projects (nanoICT, nanomagma & NanoCODE) to spread excellence amongst a wider audience, and to help in forming new networks.

This Association is now a key actor in structuring and fostering European Excellence in "Nanoscience and Nanotechnology", having a world leading position in organising conferences, training and dissemination activities in this field.

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About the Spanish National Research Council (CSIC), the largest public research institution in Spain, with 116 research centres all around the country, 15000 employees and 180 patent filed last year, is participating in Taiwan Nano Exhibition 2010 within the Spanish Pavilion. During the fair CSIC will promote 30 nanotechnologies protected by patents and with applications in different industrial areas as aeronautics, sensors, instrumentation (e.g. Atomic Force Microscopy), optics, fuel cells, food packing, coatings, pollution treatment, cosmetics, buildings and biomedicine.

The main objective of CSIC in the exhibition is to find industrial partners interested in acquire a patent license for the exploitation of CSIC technologies in the market.

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About Nanobiomatters Industries S.L., NanoBioMatters is a material science company specialized in nanoclay-based additives. Our mission is to create additives that maximize the performance of materials through unique, sustainable and cost effective clay dispersion and functionalization technology. NanoBioMatters proprietary technology is based on naturally sourced clays, which are refined, purified and surface modified to ensure uniform dispersion and compatibility with a variety of polymer systems. The modification technology includes the addition of active functionalities and the creation novel and highly efficient products, such as antimicrobial, oxygen scavengers or antioxidant additives. The major advantage of working with highly dispersed clay additives compared to traditional additives is that it enables the enhancement of specific target properties without compromising the inherently positive properties of the original material. NanoBioMatters production facilities have a 2500 metric ton/year additive capacity and 4000 metric ton/year master batch capacity supported by state-of-the-art laboratories for analysis and development of clay based additives in plastics.

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About NANOIMMUNOTECH S.L. European company dedicated to the Biological-Physico-Chemistry characterization of nanostructures, generation of monoclonal antibodies and functionalization of nanomaterials with different elements (antibodies, peptides, nucleic acids, sugars...) previous to their use in biomedical applications; drug delivery, biosensors, gene therapy, MRI/imaging. The company also includes advice in sterilization and functionalization.

The company provides support to biomedical, pharmaceutical and biotechnology companies, veterinary and food market, and research groups dedicated to the synthesis of nanoparticles with potential biomedical application *in vivo*.

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About NANOMAC Proyecto Estructurante en Nanociencia, Nanotecnología y Materiales Avanzados, The Agencia Canaria de Investigación, Innovación y Sociedad de la Información (ACIISI) promotes and supports the consolidation of large R&D projects that involve research groups and business companies, motor of the knowledge-based economy to promote excellence and attract external resources associated with them. Structuring Projects aims to promote the Canary Islands as a bridge between continents, strategic platform where the companies can invest in new technological business.

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