



**REGULATORY DEVELOPMENTS**

**NIOSH Soliciting Public Input to Update Nanotechnology Strategic Plan**

The National Institute of Occupational Safety and Health (US) is updating the NIOSH 2009 Nanotechnology Strategic Plan. They are soliciting public comments on how to enhance their 5 key goals and research in 10 focus areas (listed on their website below). Namely, they are seeking to understand the types of hazard identification and risk management research that should be considered. Comments are due by April 15, 2011. Details can be found on the Federal Register, <http://www.federalregister.gov/articles/2011/03/07/2011-5110/request-for-information-update-of-niosh-nanotechnology-strategic-plan-for-research-and-guidance>

**EU Establishes European Repository for Nanomaterials**

The European Commission's Joint Research Centre (JRC) has established the first European repository of nanomaterials to assist with safety assessments. The repository has been set up to provide data for policy making and to support international harmonization efforts of standards. Materials listed include titanium dioxide, silica, zinc oxide, ceria, nano-silver, nanoclays, and carbon nanotubes. The full list of materials in their repository can be found at [http://ihcp.jrc.ec.europa.eu/our\\_activities/nanotechnology/reference-nanomaterials/updated\\_list-nanomaterials\\_9\\_03\\_11](http://ihcp.jrc.ec.europa.eu/our_activities/nanotechnology/reference-nanomaterials/updated_list-nanomaterials_9_03_11)

**ISO Publishes New Standard on Inhalation Testing of Nanoparticles**

The ISO has released a new standard on testing the inhalation toxicity of nanoparticles. The ISO concluded that traditional measures for testing inhalation toxicity were not adequate for the unique variables of nanotechnology, such as particle surface area, issuing a standard that accounts for the unique characteristics and risks of nanoparticles.

The full text of the regulation may be purchased at [http://www.iso.org/iso/catalogue\\_detail?csnumber=46130](http://www.iso.org/iso/catalogue_detail?csnumber=46130)

This newsletter is provided as a public service and resource to the nanomedicines scientific and regulatory community. The mention of any organizations, conferences or other events in this newsletter IS FOR INFORMATIONAL PURPOSES ONLY and does not represent an endorsement by the Nanomedicines Alliance or any of its members.

For further information, or if you have any questions about the Nanomedicines Alliance, please contact the Nanomedicines Alliance Secretariat at 1-202-230-5607.

## CONFERENCES AND WORKSHOPS

### ***Advanced Technologies for an Ageing Population – sponsored by Institute of Nanotechnology***

March 23 – 24, 2011; Glasgow UK

- How nanotechnology can help provide both improved treatments for conditions associated with ageing, and to contribute to a reduction in the overall costs of healthcare;
- In particular, new approaches to diagnosing and treating degenerative diseases associated ageing;
- New assistive technologies;
- Demographic trends;
- Ethical issues and challenges.

<http://www.nano.org.uk/conferences/ageing2011/overview.htm>

### ***COIN Hosts Nanomedicine Commercialization Workshop***

March 29, 2011, Charlotte, NC, US

For mid to senior-level managers in nanomedicine on strategies for moving nanomedicine products to the market. Areas covered include:

- Business development
- Market strategy
- Legal

<http://coinatncncc.eventbrite.com/>

### ***Nanotechnology and Health Care Conference***

April 6-9, 2011, Morrilton, AR, US

- Lectures from NCI, Cytimmune, and Washington University
- Topics include: drug delivery, diagnosis and treatment of cancer, combating heart disease, and mending broken bones

<http://www.livethelegacy.org/events/view?id=7>

### ***NANOBio&Med 2011***

April 11-14, 2011, Bilbao, Spain

- Topics include: Nanobioanalysis in vitro, bio-nano fabrication, bio-nano measurement and microscopy, nanomaterials for medicine, bioelectronics, bio-water, nanomaterials for bio and medical applications, nanoassemblies/surfaces, drug delivery, molecular imaging and biophotonics, integrated systems/sensors, nanotoxicology, far future challenges, and bio-inspired nanotechnologies
- Emerging and future trends to be discussed among industry, academia, governmental and non-governmental institutions

[http://www.imaginenano.com/SCIENCE/Scienceconferences\\_BioNanoMed.php](http://www.imaginenano.com/SCIENCE/Scienceconferences_BioNanoMed.php)

**2011 AAPS Drug Delivery Workshop**

April 14 – 15, 2011; Baltimore, MD

- Emerging oral delivery strategies and technologies to enable biopharmaceutical performance of BCS II, III and IV molecules
- Physicochemical and biopharmaceutical properties and evaluation tools
- Lipid-based systems and solid dispersions
- Prodrugs and nanoparticles

<http://www.aaps.org/meetings/workshops/OralDelivery/index.asp>

**International Conference on Biotechnology and Nanotechnology**

April 27-29, 2011; Venice, Italy

For academic scientists, leading engineers, industry researchers and scholar students to exchange experience and share research results of:

- All aspects of biotechnology and nanotechnology
- Practical challenges and solutions

<http://www.waset.org/conferences/2011/rome/icbn/index.php>

**2011 National Biotechnology Conference – sponsored by AAPS**

May 16 – 18, 2011; San Francisco, CA

Symposium on Targeted Nanotheragnostics: Scientific Achievements and Commercialization Challenges, May 16, 2011: 1:30 – 4:00 pm.

- Promising advances in scientific strategies and approaches that combine disease diagnosis with therapy (Nanotheragnostics);
- Nanodevices;
- Safety concerns on the interaction of nanomaterials and nanoparticles with the human body;
- Pharmacokinetics and biodistribution of nanoparticles;
- Formulation, processing and manufacturing of nanoparticles;
- Opportunities for future growth and commercialization of nanomedicinal products

[http://www.nxtbook.com/nxtbooks/aaps/nbc2011\\_preprogram/#](http://www.nxtbook.com/nxtbooks/aaps/nbc2011_preprogram/#)

**Pharmaceutical Nanotechnology: Applications & Commercialization**

June 29-30, 2011; London, UK

- Engineering, formulation and drug delivery
- Nano-enabled nucleic acid therapeutic delivery
- Translating discoveries into commercial successes
- Regulatory considerations, IP issues and partnering opportunities

<http://smi-online.co.uk/events/overview.asp?is=4&ref=3484>

**NanoFormulation2011**

June 26 – July 1, 2011 ; Singapore

- Formulation of Nano-Biomaterials
- Handling and processing of Nanopowders
- Processing and Stabilization of Nanoparticle Suspensions
- Smart and Functional Materials in Formulations: Coating, Films and Tapes
- Safety and Health Effects and Nanoscale Materials – Towards Sustainable and Safety

<http://www.nanoformulation2011.com/>

**Nanoscale Bioceramics in Healthcare and High Performance Ceramics**

October 12-13, 2011, Stoke-on-Trent, Staffordshire, UK

- Hosted by Institute of Nanotechnology and CERAM
- Focus on application of bioactive glass and ceramics to orthopaedics, regenerative medicine, dentistry, biosensing, controlled drug release, high performance coatings, and functionalized biomaterials.

<http://www.nano.org.uk/events/ion-events>

**NanoMedicine – 2011**

November 3 – 5, 2011: Shenzhen, China

- Breaking Research of Nanomedicines
- Versatile Nanotech and Nanomaterials in Biomedicine
- Nanodevices and Diagnostic
- Nanomedicine Targeting Major Diseases
- Regenerative Nanomedicine
- Culturing Public Environment for Healthy Growth

<http://www.bitconferences.com/NanoMedicine2011/>

**Nano Health**

January 15-16, 2012, Egypt, Cairo

- To address the future of nanotechnology, as well as potential risks and regulatory issues
- New frontiers in drug delivery and therapeutics
- New frontiers in imaging and diagnosis
- Nanotechnology and the developing world
- Roadmapping new technologies
- Novel medical materials and products

<http://www.clocate.com/conference/Nano-Health-2012/13170>

**REFERENCE SECTION****Nano Organizations**

- National Center for Toxicological Research (NCTR): <http://www.fda.gov/AboutFDA/CentersOffices/NCTR/default.htm>
- National Nanotechnology Initiative (NNI): <http://www.nano.gov/>
- Nano Science and Technology Consortium (NSTC): <http://www.nstc.in/>
- Nano Science and Technology Institute (NSTI): <http://www.nsti.org/>
- The Nanotechnology Institute (NTI): <http://nanotechinstitute.org/>

**Nano Journals**

- American Chemical Society -- Nano Letters: <http://pubs.acs.org/journal/nalefd>
- Institute of Physics – Nanotechnology: <http://iopscience.iop.org/0957-4484/>
- Journal of Nanoscience and Nanotechnology: <http://www.aspbs.com/jnn/>

- NanoTrends - A Journal of Nanotechnology and its Applications:  
<http://www.nstc.in/journal/default.aspx>
- BCC Research -- Nanotechnology Reports:  
<http://www.bccresearch.com/report/index.php?rcode=nan>

## **CONTACT**

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