



## REGULATORY DEVELOPMENTS

### **The National Nanotechnology Initiative (NNI) Releases 2011 Strategic Plan**

The NNI and the White House Office of Science and Technology Policy (OSTP) have released the 2011 NNI Strategic Plan. The plan maintains the four goals and eight program components that were listed in the previous Strategic Plan, published in 2007. The goals are to 1) advance a world-class nanotechnology research and development program, 2) foster the transfer of new technologies into products for commercial and public benefit, 3) develop and sustain educational resources, a skilled workforce, and the supporting infrastructure and tools to advance nanotechnology, and 4) support responsible development of nanotechnology.<sup>1</sup> The 2011 plan also outlines objectives and specific steps to be taken for each goal in order to realize the NNI vision. The full text of the plan is available at <http://nano.gov/nnistrategicplan211.pdf>. For further information, please see <http://nano.gov/>

### **US EPA Planning Reporting Requirements for Nanoscale Materials**

This month the US EPA is planning to issue a notice of proposed rule making (NPRM) on requirements for persons who manufacture nanoscale materials to report on certain information including production volume, methods of manufacture and processing, exposure and release information, and available health and safety data. The purpose of the reporting is to provide EPA with an opportunity to evaluate the data and take any measures under TSCA to reduce risks to health or the environment. The full details of the rule are available at:

<http://www.reginfo.gov/public/do/eAgendaViewRule?pubId=201010&RIN=2070-AJ54>.

### **Swiss Government Issues Guidelines on Safety Data Sheets for Nanomaterials**

The Swiss government has published guidelines for producing safety data sheets for synthetic nanomaterials. It includes information on how to identify and report relevant data, what information is required to ensure safe handling of nano-objects and products containing nano-objects, when information should be requested from suppliers, and informing employees of relevant hazards

The guidance is available in German, French, Italian, and English. The English version of the guidance can be found at:

[http://www.chemicalwatch.com/downloads/Nano\\_SDB\\_Leitfaden\\_dez2010\\_en.pdf](http://www.chemicalwatch.com/downloads/Nano_SDB_Leitfaden_dez2010_en.pdf)

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<sup>1</sup> <http://nano.gov/>

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

### **Nano4Life 2011**

February 24, 2011, London UK

- Organized by NanoKTN
- Explore how nanotech advances healthcare provision, product discovery and development
- Speakers from academia and industry

<https://ktn.innovateuk.org/web/nano4life-2011/overview>

### **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/>

### **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, bio-inspired nanotechnologies
- Emerging and future trends to be discussed among industry, academia, governmental and non-governmental institutions

[http://www.imagenenano.com/SCIENCE/Scienceconferences\\_BioNanoMed.php](http://www.imagenenano.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/>

**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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