

Nanotoxicology Workshop

March 16th, 2010 7:45 am – 1:30 pm

Science Center, 3711 Market St., Philadelphia, PA 19104

Sponsored by The Nanotechnology Institute (NTI), the Center of Excellence in Environmental Toxicology (CEET), and the Nano Bio Interface Center (NBIC)

Please arrive by 7:45 am

- 7:45 - 8:15 am **Registration and Continental Breakfast**
- 8:15 - 8:20 am **Introductory Remarks**
Steven Fluharty, Vice Provost for Research, U. Pennsylvania
- 8:20 - 8:40 am **Nanomaterials and Nanoscience**
Christopher Murray, Professor, Chemistry and Materials Science and Engineering, U. Pennsylvania
- 8:40 - 9:00 am **Nanotoxicology - Mechanisms and Organ Systems**
Trevor Penning, Director, CEET
- 9:00 - 9:20 am **Nanotherapeutics**
Vladimir Muzykantov, Associate Professor, Pharmacology, Penn Medicine
- 9:20 - 9:30 am **Break**
- 9:30 - 10:00 am **NIEHS Research Efforts in Nanotechnology**
Srikanth Nadadur, Health Scientist Administrator, Cellular, Organs and Systems Pathobiology Branch, Division of Extramural Research and Training, National Institute of Environmental Health Sciences
- 10:00 - 10:30 am **Hazard/Risk Assessment**
Nora Savage, Nano Team Leader, US EPA
- 10:30 - 10:45 am **Break w/ refreshments**
- 10:45 - 12:15 pm **Break-out sessions**
Proposed topics:
 - ~ *Characterization and analytical tools and methods for studying nanomaterials (e.g., materials research, metrology, standards)*
 - ~ *Environmental protection issues related to nanomaterials*
 - ~ *Biomedical properties of nanomaterials (delivery, mode-of-action, toxicology and pathobiology)*
 - ~ *Nanotherapeutics: Using nanomaterials for diagnosis and treatment*

*~ Informatics: Developing ways to share and integrate
nanotoxicology information*

12:15 - 12:45 pm **Report Back**

12:45 - 1:30 pm **Networking Lunch**

1:30 pm **Adjourn**