



Greener Nano 2009

2-3 March

Life Technologies

Eugene OR

Sponsors and Affiliates



Life Technologies

Murali K. Prahalad, Ph.D.

General Manager, Cellular Analysis Business Unit

Time	Monday's Agenda
7:30 AM	Registration opens and continental breakfast
8:30 – 8:45 AM	Welcome and Opening Remarks
8:45 – 9:45 AM	Hilary Godwin -UCLA, School of Public Health- <i>"Environmental Implications of Nanotechnology"</i>
9:45 – 10:30 AM	Jim Hutchison - UO, <i>"The Safer Nanomaterials and Nanomanufacturing Initiative - advancing applications and reducing implications of nanotechnology"</i>
10:30 – 11:00 AM	Break
11:00 – 11:45 AM	Robert Tanguay - OSU, <i>"Optimizing in vivo assessment of nano/bio interactions to guide safer nanomaterial design"</i>
11:45 AM – 12:00 PM	Jim Hutchison - UO, <i>"Challenges for in situ Characterization of Nanomaterials – an introduction of NIST activities"</i>
12:00 – 1:30 PM	Lunch
1:30 – 2:00 PM	Galya Orr - PNNL, <i>"Role of particle surface charge in cellular interactions and internalization pathways"</i>
2:00 – 2:30 PM	Stacey Harper - Oregon State University, <i>"Updating the NBI knowledgebase to provide design rules for safer nanotechnology"</i>
2:30 – 3:00 PM	Break
3:00 – 3:30 PM	Andrew Berglund - University of Oregon, <i>"Using RNA to synthesize gold nanorods and other nanoparticles"</i>
3:30 – 3:50 PM	Heather Evans - National Nanotechnology Coordination Office, NNI
4:30 PM	Transportation to and from the UO for Poster Reception will be available at the Valley River Inn.

SNNI Organizational Chart – Year 4

Jim Hutchison, Director

Bettye Maddux, Assistant Director

Carol Hanson, Administrative Assistant

Designing Greener Nanomaterials Lead: Robert Tanguay	Greener Nanomanufacturing Lead: Vince Remcho	Nanodevice Applications Lead: Mark Lonergan
<p>Probing bio-impacts UO: Eric Johnson, Jim Hutchison, Karen Guillemain OSU: Robert Tanguay, Stacey Harper PNNL: Galya Orr, Marvin Warner</p> <p>Expanded libraries of nanoparticles UO: Mark Lonergan, Jim Hutchison PSU: Scott Reed</p> <p>Nanomaterials-Biological Interaction Knowledgebase OSU: Stacey Harper, Shiwoo Lee</p>	<p>Mechanistic and in situ Studies UO: Steve Kevan, Jim Hutchison</p> <p>Microsystem Development OSU: Vince Remcho, Brian Paul, Chih-hung Chang, Todd Miller UO: Jim Hutchison PNNL: Dan Palo</p> <p>Controlling Nanoparticle shape UO: Andy Berglund, Mark Lonergan</p>	<p>Nanoparticle Self-Assembly PNNL: Shane Addleman UO: Jim Hutchison</p> <p>Nanomaterials for photonic devices OSU: Greg Rorrer PNNL: Mark Jones UO: Mark Lonergan PSU: Gertude Rempfer</p> <p>Assembly of inorganic nanomaterials for devices UO: David Johnson OSU: Doug Keszler, Mas Subramanian</p>
Completed Projects		
<p>Surface functionalization PSU: Mingdi Yan</p>	<p>Ceramic Nanoparticles OSU: Sundar Atre, Goran Jovanovic, Sho Kimura</p>	<p>Electronic Properties of Nanoparticles UO: Richard Taylor and Jim Hutchison</p>

Some changes

- SNNI has a new logo



Website redesign

http://greennano.org

The screenshot shows a web browser window displaying the greennano.org website. The browser's address bar shows 'http://www.' and the search bar contains 'Google'. The website's navigation menu includes 'About Us', 'KnowledgeBase', 'Research', 'EHS Strategies', and 'Conference'. The main content area features the SNNI logo, a search bar with a 'SEARCH' button and a link to 'ADVANCED SEARCH', and several informational sections. The 'Header to go here.' section is followed by 'Our Mission', 'Green Nanotechnology', and 'Working Together'. The 'HIGHLIGHTS' section features a 'Greener Nano 2009' event from 2-3 March and a 'JUST ANNOUNCED!' announcement about Mark Longeran receiving funding through UVDF. The 'AWARDS' section also mentions Mark Longeran and includes a link to the 'SNNI AWARDS LIST'.

Header to go here.

Our Mission
The goals of the Safer Nanomaterials and Nanomanufacturing Initiative [SNNI] are to develop new nanomaterials and nanomanufacturing approaches that offer a high level of performance, yet pose minimal harm to human health or the environment.

Green Nanotechnology
Research under the Initiative will merge the principles of green chemistry and nanoscience to produce safer nanomaterials and more efficient nanomanufacturing processes in the context of producing nanoparticles and nanostructured materials for applications in fields such as in photovoltaics, nanoelectronics and sensing.

Working Together
The Initiative brings together chemists, biologists, materials scientists and engineers from the Oregon Nanoscience and Microtechnologies Institute [ONAMI] to pioneer new approaches to the design, production and use of nanomaterials. SNNI has been developed in partnership with and funded by the Air Force Research Laboratory.

SEARCH

[ADVANCED SEARCH](#)

HIGHLIGHTS

Greener Nano 2009
2-3 March

The 2008 Micro Nano Breakthrough Conference is coming up soon! Join us Sept. 8-10 in Vancouver, WA.
[RESERVATIONS & MORE INFORMATION](#)

JUST ANNOUNCED! Mark Longeran becomes one of the first to receive funding through UVDF.
[READ THE WHOLE STORY HERE](#)

AWARDS
Mark Longeran one of the first to receive funding through UVDF
[SNNI AWARDS LIST](#)

Time	Tuesday's Agenda
7:30 AM	Registration opens and continental breakfast
8:30 – 8:45 AM	Welcome and Opening Remarks
8:45 – 9:45 AM	Donald Tomalia - Central Michigan University, The National Dendrimer & Nanotechnology Center, <i>"The Evolution of Green Chemistry Strategies in the Commercial Production of Dendrimers"</i>
9:45 – 10:15 AM	Break
10:15 – 11:00 AM	Doug Keszler - Oregon State University, <i>"New Approaches to Aqueous Processing for Electronics"</i>
11:00 AM – 12:00 PM	Peter Mirau - Air Force Research Laboratory, <i>"NMR at the Nanocomposite Interface"</i>
12:00 – 1:15 PM	Lunch
1:15 – 2:00 PM	David Johnson - University of Oregon, <i>"New Nanostructured Solids with Unprecedented Properties - Optimizing Thermal and Electronic Properties of Misfit Layered Compounds"</i>
2:00 – 2:30 PM	Greg Rorrer - Oregon State University, <i>"Biological Fabrication of Nanopatterned Titanium Dioxide for Dye-Sensitized Solar Cells"</i>
2:30 – 3:00 PM	Break
3:00 – 3:30 PM	Mark Lonergan - University of Oregon, <i>"Ligand effects on the stability, toxicity, and photoconductivity of PbS nanoparticles"</i>
3:30 – 4:15 PM	Daniel Palo - Pacific Northwest National Laboratory, <i>"Microchannel based nanomaterial production technologies"</i>
4:15 PM	Discussion and Closing Remarks

Thanks!

Air Force Research Laboratory Life Technologies Our Sponsors

Program Committee

Jim Hutchison
Cheryl Moody Bartel
Skip Rung
Bettye Maddux

Conference Committee

Carol Hanson
Bettye Maddux
Bev Harris
Cheryl Moody Bartel
OSU Conference Services:
Sierra Whitlow
Carly Weber
Kavinda Arthenayake