



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>

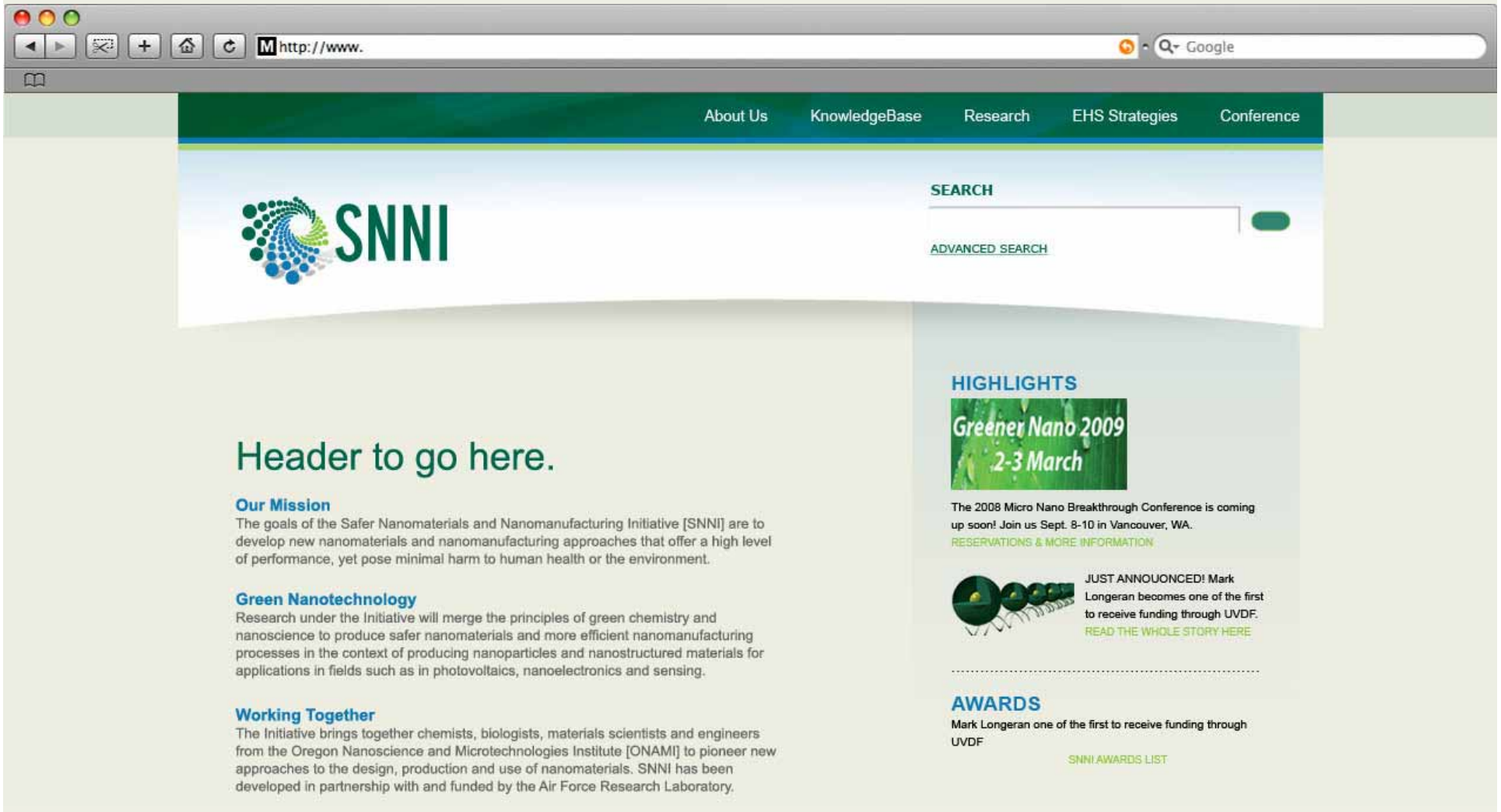
Some changes

- SNNI has a new logo



Website redesign

http://greennano.org



The screenshot shows a web browser window displaying the redesigned website for greennano.org. The browser's address bar shows the URL 'http://www.' and the search engine is set to Google. The website features a dark green navigation bar with the following menu items: 'About Us', 'KnowledgeBase', 'Research', 'EHS Strategies', and 'Conference'. The main content area is divided into several sections:

- SNNI Logo:** A circular logo composed of green and blue dots, followed by the text 'SNNI' in a bold, green, sans-serif font.
- SEARCH:** A search bar with a green search button and a link to 'ADVANCED SEARCH' below it.
- Header to go here:** A large, light green curved banner.
- Our Mission:** A section with a blue heading and text describing the goals of the Safer Nanomaterials and Nanomanufacturing Initiative (SNNI).
- Green Nanotechnology:** A section with a blue heading and text describing research under the Initiative, focusing on green chemistry and nanoscience.
- Working Together:** A section with a blue heading and text describing the partnership between chemists, biologists, materials scientists, and engineers from ONAMI and the Air Force Research Laboratory.
- HIGHLIGHTS:** A section featuring a green banner for 'Greener Nano 2009' on '2-3 March'. Below the banner, text announces the 2008 Micro Nano Breakthrough Conference and provides a link for 'RESERVATIONS & MORE INFORMATION'.
- AWARDS:** A section with a blue heading and text announcing that Mark Longeran is one of the first to receive funding through UVDF. A link for 'SNNI AWARDS LIST' is provided below.

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!

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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