

Center for Nanotechnology in Society
University of California, Santa Barbara
www.cns.ucsb.edu

News Clips

May 1-15, 2012

Top Deck

What the nation's (& world's) top papers, news wires and sources have been saying about nanotechnology

[President's Council Wants a Few More Things from the National Nanotechnology Initiative](#)

IEEE Spectrum Nanoclast

May 1

Dexter Johnson

"Just four months after the National Nanotechnology Initiative (NNI) responded to the President's Council of Advisors on Science and Technology's (PCAST) 2010 report on the status of nanotechnology, PCAST has offered up [a new assessment](#)."

[New method IDs nanomaterials that can cause oxidative damage to cells](#)

R&D

May 2

"Engineered nanomaterials, prized for their unique semiconducting properties, are already prevalent in everyday consumer products—from sunscreens, cosmetics, and paints to textiles and solar batteries—and economic forecasters are predicting the industry will grow into \$1 trillion business in the next few years. But how safe are these materials?"

[Nanocomposite Fillings Kill Bacteria and Regenerate the Tooth](#)

IEEE Spectrum Nanoclast

May 3

Dexter Johnson

"Earlier this year, I was teased by news that graphene could be 'tattooed' to one's tooth to detect harmful bacteria."

[Nanotech creating Rust Belt jobs for everyone](#)

CBS News

Jim Axelrod

"The Labor Department reported Thursday another 365,000 Americans joined the line for unemployment benefits last week. It was 27,000 fewer than the week before, but still a high number."

[British scientists 'growing human parts in lab'](#)

Indian Express

May 7

"British scientists claim to be for the first time growing human body parts in a laboratory at the University College London, which they say could soon make organ donation a thing of the past."

[Magnetic Bacteria May Help Build Faster, Smaller 'Nano-Magnet' Hard Drives, Research Shows](#)

Huffington Post

May 9

Sara Gates

"Recent microbe research found that a certain type of iron-eating bacteria has the ability to produce tiny magnets. Enter magnetic bacteria."

[Singapore's researchers develop cancer cell-screening biochip](#)

Xinhua

"Researchers at Singapore's Institute of Bioengineering and Nanotechnology (IBN) have developed a miniaturized biochip that promises to boost the development of more effective cancer drugs."

[Viruses used to power tiny device](#)

BBC

May 15

"Scientists in the US have developed a way to generate electricity using viruses."

On Deck

What local sources are reporting

[Senator Seeks To Keep Nano On The Radar](#)

New Haven (CT) Independent

May 3

Gwyneth K. Shaw

"U.S. Sen. Ron Wyden has been one of nanotechnology's champions inside the U.S. Capitol. Amid the chaos of an election year and a long list of priorities, he wants to keep science research on the radar screen-with an extra eye on safety."

[Federal Nano Effort Wins Praise, Gets Homework Assignment](#)

New Haven (CT) Independent

May 8

Gwyneth K. Shaw

"A recent advisory report for President Obama praises the National Nanotechnology Initiative for its efforts, but gives the multi-agency project some homework, too."

[The Challenge: Boost Nano, Create Jobs](#)

New Haven (CT) Independent

May 9

Gwyneth K. Shaw

"PORTLAND, Ore. - How do you marry the drive for innovation to the need for new - and well-paid - jobs?"

Nano press

What nanotechnology related publications are reporting

[At the nanoscale, liquid crystal behavior portends new materials](#)

Nanowerk

May 2

"Liquid crystals, the state of matter that makes possible the flat screen technology now commonly used in televisions and computers, may have some new technological tricks in store."

[Non-profit groups claim credit for FDA's recent steps in nanotechnology policies](#)

Nanowerk

May 3

"Today several leading non-profits working on nanotechnology oversight--Center for Food Safety (CFS), Friends of the Earth (FoE), Institute for Agriculture and Trade Policy (IATP) and the International Center for Technology Assessment--issued a statement responding to recent steps taken by the Food and Drug Administration (FDA) that represent marginal progress toward regulation of products made with this new technology."

[Silver nanoparticle shape affects toxicity](#)

Nanotechweb

May 11

"Plate-shaped silver nanomaterials could be more toxic to fish cells than other shapes, such as spheres and wires."

[Nanoparticle delivery system for gene therapy may help treat arthritis](#)

Nanowerk

May 15

"A DNA-covered submicroscopic bead used to deliver genes or drugs directly into cells to treat disease appears to have therapeutic value just by showing up, researchers report."

Other (science) issues related to nanotechnology

[Tomorrow's nanobots today](#)

Smart Planet

John Rennie

May 1

"There's probably no more classic - make that clichéd - image associated with nanotechnology than that of the tiny robot swimming through the human body, dwarfed by nearby cells, performing some live-saving medical tasks."

[Potential to Revive Abandoned Cancer Drug by Nanoparticle Drug Delivery](#)

Science Daily

May 2

"Current nanomedicine research has focused on the delivery of established and novel therapeutics."

[Sunscreen Ingredient May Increase Skin Cancer Risk](#)

Science Daily

May 7

"As vacationers prepare to spend time outdoors this summer, many of them will pack plenty of sunscreen in hopes it will protect their bodies from overexposure, and possibly from skin cancer."

[Obama touts Albany NanoTech as model for U.S. economy](#)

Business Review

May 8

Adam Sichko

"President Obama said Tuesday he wants to replicate Albany NanoTech's business model around the country, using the venue to urge Congress to approve his economic agenda."

[Better refrigeration, air-conditioning performance through nanotechnology](#)

Refrigerator Review

May 10

"A study by The American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE) in the early 1990s found that on average, air-conditioning and refrigeration systems lose 7% cooling capacity the first year, 5% the second year, and 2% each year thereafter--reaching as high as 18% in just five years."

[Pataki: Nanotech built on Republican values](#)

Legislative Gazette

May 14

Sean Ewart

"In advance of President Barack Obama's visit to the College of Nanoscale Science and Engineering at the University at Albany last week, State Republican Party Chairman Ed Cox and former Gov. George E. Pataki talked with reporters about the Republican Party's role in economic development in New York."