

Subject: [CNS-weekly-clips] CNS-UCSB News Clips, Jan. 1-15, 2012

From: CNS - Weekly News Clips from UCSB <cns-weekly-clips@lists.isber.ucsb.edu>

Date: 1/24/2012 1:56 PM

To: cns-weekly-clips <cns-weekly-clips@lists.isber.ucsb.edu>



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

News Clips

Jan. 1-15, 2012

Top Deck

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

Circuits could be woven from conductive and semiconducting natural fibers

IEEE Spectrum

January 2012

Neil Savage

"A group of researchers in the United States, Italy, and France have invented transistors made from cotton fibers."

With Science and Patience, Lawsuits against Nanotechnology Are Avoidable

IEEE Spectrum Nanoclast

Jan. 2

Dexter Johnson

"Just before the holiday week, I read the discouraging news that a consumer group had filed a lawsuit against the Food & Drug Administration (FDA) regarding risks from the use of nanomaterials in products."

Nanotechnology breakthrough for cancer patients

The Egyptian Gazette

Jan. 4

Amina Abdul Salam

"Professor of Chemistry and Biochemistry Mustafa el-Sayyed of the Georgia Institute of Technology in the USA announced Tuesday at a press conference held at the Giza-based National Research Centre (NRC) the results of the latest research into nanotechnology, which involves using gold particles."

[Why is Russia Hot on Molecular Nanotech and the US Not?](#)

IEEE Spectrum Nanoclast

Jan. 4

Dexter Johnson

"Proponents of molecular nanotechnology (MNT) often point to the backroom politics back at the turn of the century that relegated ideas of nanobots and tabletop factories to the margins of nanotechnology's development in the United States. Instead what we saw was the rise of material science on the nanoscale become the darling of research funding. Or so the story goes."

[Researchers Get Moore's Law to Work at the Atomic Scale](#)

PC Magazine

Jan. 6

Damon Poeter

"Moore's Law may just survive quirky quantum effects to oversee the incredible shrinking procession of computer chips for years to come if a new study by Australian and American researchers is adaptable to large-scale silicon fabrication."

[Integrated nanopore detector could revolutionize DNA sequencing](#)

R&D Magazine

Jan. 6

Peter Reuell

"Scientists are one step closer to a revolution in DNA sequencing, following the development in a Harvard lab of a tiny device designed to read the minute electrical changes produced when DNA strands are passed through tiny holes--called nanopores--in an electrically charged membrane."

[CES 2012: Waterproof Your Electronics Gizmos](#)

IEEE Spectrum

Jan. 9

Tekla Perry

"On Saturday night, on the Eve of CES Eve at a pre-pre-CES event, [Liquipel](#), a little company from Santa Ana, Calif., introduced a water-resistant coating for electronics devices that is invisible and doesn't interfere with connections or touch screens."

[Falafel Tech: Nanotechnology in Egypt](#)

Scientific American

Jan. 11

Julian Taub

"Today is the last day of Egypt's regional elections. The revolution there, with its daring protesters and turbulent course of events, has captured a global audience."

[New Storage Device Is Very Small, at 12 Atoms](#)

New York Times

Jan. 12

John Markoff

"Researchers at I.B.M. have stored and retrieved digital 1s and 0s from an array of just 12 atoms, pushing the boundaries of the magnetic storage of information to the edge of what is possible."

[Synthetic Windpipe Is Used to Replace Cancerous One](#)

New York Times

Jan. 12

Henry Fountain

"Surgeons in Sweden have replaced the cancerous windpipe of a Maryland man with one made in a laboratory and seeded with the man's cells."

[Science and Sanctions: Nanotechnology in Iran](#)

Scientific American

Jan. 13

Julian Taub

"Iran has dominated the news recently in a chess match between itself and the West."

On Deck

What local sources are reporting

[A Clean-Energy Promise: Hope Meets Hype](#)

New Haven (CT) Independent

Jan. 2

Gwyneth K. Shaw

"The secret to better solar panels just might be in a big magnet."

[From Smart Materials to Nanotechnology](#)

KERA Public Radio

Jan. 3

Includes story audio.

[EPA Watchdog: Nano Efforts Lacking](#)

New Haven (CT) Independent

Jan. 5

Gwyneth K. Shaw

"In a blunt new report, the U.S. Environmental Protection Agency's [internal watchdog finds](#) that the agency lacks both the data and the administrative ability to effectively deal with the challenge posed by super-small materials that are increasingly finding their way into consumer products."

[Silicon nanowire may pave way to new superfast computers](#)

Medill Reports

Jan. 10

Lisa Weidenfeld

"Australian scientists say they've created a silicon nanowire 10,000 times smaller than a human hair that still offers the same conducting properties as conventional computer wires."

[Federal Budget Good News For Nano?](#)

New Haven (CT) Independent

Jan. 11

Gwyneth K. Shaw

"Before Congress went home for the holidays, [it passed a spending bill](#) with some important nanotechnology developments tucked inside."

[Will Labels Make A Difference?](#)

New Haven (CT) Independent

Jan. 13

Gwyneth K. Shaw

"In the debate over the safety of super-small particles in mainstream products, consumers are often left out[.]"

Nano press

What nanotechnology related publications are reporting

[Nanotechnology research could impact flexible electronic devices](#)

Nanowerk

Jan. 12

"A research collaboration between the Wyss Institute for Biologically Inspired Engineering at Harvard University and Children's Hospital Boston has developed 'smart' injectable nanotherapeutics that can be programmed to selectively deliver drugs to the cells of the pancreas."

[Cooling computer chips with interface-enhanced carbon nanotubes](#)

Nanowerk

Jan. 13

"A couple of years back, one of our *Nanowerk Spotlights* addressed the issue of thermal management of computer chips - the fact that heat has become one of the most critical issues in computer and semiconductor design."

Other (science) issues related to nanotechnology

[Graphene rips follow rules](#)

EurekAlert

Jan. 5

"Rice University simulations show carbon sheets tear along energetically favorable lines."

[A lean, mean, pollution-eating building!?](#)

TG Daily

Jan. 6

Angeli Duffin

"Most of the world is taking small steps to reduce energy consumption - such as changing to CFL light bulbs or Energy Star appliances, and perhaps installing a few solar panels."

[Getting Cancer Cells to Swallow Poison: Nanotechnology Researchers Develop New Strategy to Deliver Chemotherapy to Prostate Cancer Cells](#)

Health Canal

Jan. 9

"Honing chemotherapy delivery to cancer cells is a challenge for many researchers."

[Nanoscale biological coating is a new way to stop the bleeding](#)

PhysOrg

Jan. 10

Anne Trafton

"MIT engineers have developed a nanoscale biological coating that can halt bleeding nearly instantaneously, an advance that could dramatically improve survival rates for soldiers injured in battle."

[Scientists Create World's Tiniest Ear](#)

Science

Jan. 13

Tim Wogan

"Have you ever wondered what a virus sounds like?"

CNS-weekly-clips mailing list

CNS-weekly-clips@lists.isber.ucsb.edu

<http://lists.isber.ucsb.edu/mailman/listinfo/cns-weekly-clips>