



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

News Clips

March 1-15, 2012

Top Deck

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

[Gaining trust for nanotech](#)

RSC

March 1

"To secure public confidence in nanotechnology, we must learn from the past, says Donald Bruce."

[Nanotechnology's Threat to Privacy Over-Hyped](#)

IEEE Spectrum Nanoclast

March 2

Dexter Johnson

"The field of nanotechnology has been on the defensive for reasonable causes, such as the safety of workers that handle certain nanomaterials."

[A jump forward in understanding the nature of supercapacitors](#)

R&D Magazine

March 6

"An international team of materials researchers including Drexel University's Dr. Yury Gogotsi has given the engineering world a better look at the inner functions of the electrodes of supercapacitors-the low-cost, lightweight energy storage devices used in many electronics, transportation and many other applications."

[China Surges ahead of India in Nanotechnology: Does it Matter?](#)

IEEE Spectrum Nanoclast

Dexter Johnson

"I am not certain why there is this hullabaloo about the so-called nanotech race. To me it just seems as though scientists around the world are working on their research, they publish it in journals, other scientists read it and then build on that research and so it goes."

[Heat pump for electric car would make it run farther](#)

Seattle Times

March 8

Rob Hotakainen

"The Pacific Northwest National Laboratory is working on nanotechnology that would extend the range of electric cars by allowing them to heat and cool the passenger cabins with a new type of heat pump."

[Nanotech filters 'could boost superbugs'](#)

ABC (Australia)

March 13

Dani Cooper

"The rise of antibiotic-resistant 'superbugs' could result from an increased dependence on nanomaterials in water treatment, Chinese researchers say."

On Deck

What local sources are reporting

[GE Scientists Demonstrate Promising Anti-Icing Nano Surfaces](#)

Sun-Herald (MS)

March 6

"GE nano coated samples significantly delay ice formation under atmospheric icing conditions."

[How To Be Good](#)

New Haven (CT) Independent

March 7

Gwyneth K. Shaw

"Want to work with super-small materials and be a good steward of your business, your reputation, and safety?"

[Utah Company Readies to Market Spray-On Cell-Phone Antenna](#)

City Weekly (Salt Lake City)

March 8

Eric Peterson

"You could think of it as more bars in a can, but the way Anthony Sutera and Rhett Spencer of Sandy-based Chamtech Enterprises look at it, their spray-on antenna could not only make mobile devices more efficient, but also help the devices preserve energy better."

[Using Nanotechnology To Treat Cancer](#)

CBS News Philadelphia

March 9

Dr. Brian McDonough

"Nanotechnology is fascinating. We have talked about it before."

Nano press

What nanotechnology related publications are reporting

[Study Findings Help Advance Safe Implementation of Nanotechnology](#)

AzoNano

March 1

"The findings of research studies conducted at the lab of James E. Hutchison from the University of Oregon utilizing small-angle X-ray scattering and high-precision microscopy techniques will be helpful in using green chemistry in nanotechnology in order to improve efficiency and yield, and significantly decrease waste and risk to environment and human health."

[A guide to responsible nanotechnology business](#)

Nanowerk

March 3

"The European funded project ObservatoryNANO has published a [guide to responsible nano-business](#) (pdf), outlining how to use nanotechnology for the benefit of business, customers and society."

[Biodegradable transistors made from proteins](#)

Nanowerk

March 7

"Silicon, a semi-conducting element, is the basis of most modern technology, including cellular phones and computers."

[NIOSH seeks innovative proposals for nanotechnology studies](#)

Nanowerk

March 8

"The National Institute for Occupational Safety and Health (NIOSH) invites applications from small businesses to conduct innovative research in three high-priority areas, including studies relating to the occupational health and safety aspects of nanotechnology."

[Environmental implications of nanoparticle aging](#)

Nanowerk

"Several studies in the literature have highlighted that as nanomaterials 'age' they can undergo oxidation."

[Silver Nanoparticles Help Cure Hard-to-Treat Mouth Infections](#)

Azonano

March 9

Cameron Chai

"Researchers have discovered that silver nanoparticles can be used to destroy yeasts such as *Candida glabrata* and *Candida albicans*, which cause difficult-to-treat mouth infections."

[Study Reveals Nanoparticles May Affect Human Health Even in Small Doses](#)

Nanowerk

March 12

"According to a research study conducted by a team of scientists from Binghamton University and Cornell University, nanoparticles may affect long-term health of human beings even in low dosages."

[Silver nanoparticles affect testicular cells](#)

Azonano

March 15

Andy Choi

"The Norwegian Institute of Public Health recently conducted a study to determine the effect of silver and titanium dioxide nanoparticles on testicular cells. They found that titanium dioxide nanoparticles caused comparatively lesser damage than silver nanoparticles."

Other (science) issues related to nanotechnology

[GM a 'cautionary tale' for nanotechnology](#)

Food Navigator

March 7

"Hearts and minds need to be won in the battle to commercialise nanotechnology, if it is to avoid going the same way as GM food, according to a new study."

[Tiny Silver Nano-Trees Pack Huge Solar Power Punch](#)

Cleantechnica

Tina Casey

"A team of researchers at the University of California, Davis has developed solar energy's Next Big Thing: nanoscale silver filaments grown in a treelike pattern."

Also noted by *IEEE Spectrum*.

[Researchers capture first-ever images of atoms moving in a molecule](#)

EurekAlert

"Using a new ultrafast camera, researchers have recorded the first real-time image of two atoms vibrating in a molecule."

[How nanotechnology can improve paint and detect structural flaws](#)

Daily Commercial News & Construction record

March 9

Kory Koroluk

"It seems that every week there is news of a new application for nanotechnology - the applied science of the very small."

[Even low-dose nanoparticles could have big impact on long-term health](#)

News Medical

"Nanoparticles are everywhere. From cosmetics and clothes, to soda and snacks. But as versatile as they are, nanoparticles also have a downside, say researchers at Binghamton University and Cornell University in a recent paper published in the journal *Nature Nanotechnology*."

[Rumored Details On 'Iron Man 3' Have Been Revealed](#)

Complex

"*The Avengers* might be two months away from its release, but that doesn't mean that we can't start looking forward to Marvel's future slate of movies."

[California company to produce hydrogen using wastewater, sunlight](#)

EcoSeed.org

March 12

A California-based company is developing the world's first nanotechnology-based process for producing hydrogen and natural gas using sunlight.