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CNS-UCSB
Center for Nanotechnology in Society

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

# News Clips

December 16-31, 2011

## Top Deck

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

Nanotechnology could improve how hydrogen fuel is stored
*The Engineer* (U.K.)
Dec. 16
Sam Shead

"Glasgow University scientists believe that nanotechnology could be employed to turn hydrogen into a viable source of energy."

Artificial Intestines Near Reality
*Discovery News*
Dec. 16
Alyssa Danigelis

"Science has given us working artificial hearts, hips, limbs and bladders, and even a trachea."

Is Nanotechnology the New GMO?
*The Atlantic*
Dec. 16

"Many food companies are using unregulated nanomaterials in agriculture, processing, and packaging, but this is not something that the public knows anything about at this point."

A Little Nanotechnology Discipline, Please!
*IEEE Spectrum Nanoclast*
Dec. 18
Dexter Johnson

"Mainstream media often makes a hash out of reporting nanotechnology."

The Nanotechnology and GMO Link Repeated . . . Again
*IEEE Spectrum Nanoclast*
Dec. 20
Dexter Johnson

"There are two main groups hard at work trying to establish similarities between nanotechnology and genetically modified organisms (GMOs): the press and NGOs."

What's Old Is New Again in Nanotechnology
*IEEE Spectrum Nanoclast*
Dec. 22
Dexter Johnson

"Last week while watching the BBC News, I saw a brief text report that said how a nanoparticle coating had been invented that could make clothes clean themselves just by exposing them to the sun."

Vaccine offers Crohn's disease hope
UK Press Association
Dec. 25

"A synthetic vaccine based on nanotechnology holds out the promise of halting autoimmune diseases such as Crohn's and rheumatoid arthritis, it has been reported."

Magnetic Bacteria Strain Could Pave Way for Novel Nanotech Application: Study
*International Business Times*
Dec. 28
Sangeeta Ghosh Dastidar

"An international team of scientists has discovered a new type of magnetic bacteria that has the potential to pave the way for novel biotech and nanotech applications."

## **On Deck**

What local sources are reporting

Nanotech creating big buzz among high school students
*Star-Tribune* (Minneapolis)
Dec. 20
Heron Marquez Estrada

"High school students are getting in on the ground floor of a new technology."

New Solar Technology Could Create Jobs in Triad
*Fox 8* (Winston-Salem, NC)
Dec. 28
Mitch Carr

"Wake Forest researchers have developed new solar energy technology that's not only more efficient but could also create jobs here."

North Haven teens get glimpse of nanotechnology with Yale scientists
Connecticut *Post-Chronicle*

Dec. 30
Ann DeMatteo

"Scientists who spend their time looking at really small things opened up a whole new world to students at North Haven High School."

## Nano press

What nanotechnology related publications are reporting

New insights into nanoparticles and dividing cells
Nanowerk
Dec. 18

"What happens when living cells take up nanoparticles, those tiny entities that could offer new ways of delivering drugs into the body?"

Consumer Safety Groups File First Lawsuit on Risks of Nanotechnology
*Nanotechnology Now*
Dec. 21

"Concerned by the growing body of scientific reports cautioning against the unregulated use of nanotechnology in consumer products, a coalition of nonprofit consumer safety and environmental groups sued the Food and Drug Administration (FDA) today. The case is the first lawsuit over the health and environmental risks of nanotechnology and nanomaterials."

*Also noted by the New Haven Independent* and Minnesota Public Radio.

Targeted immune stimulation based on DNA nanotechnology
Nanowerk
Dec. 22

"DNA is usually known as the genetic code for protein synthesis in all living organisms."

Researchers Develop Highly Stable Molecular Carpets for Nanotechnology Applications
Azonano
Dec. 30
Cameron Chai

"A novel method has been developed by a research team led by Thomas Bein, a Professor at the Ludwig-Maximilians-Universitat Munchen (LMU), and Dr. Markus Lackinger from the Technische Universitat Munchen (TUM), to create superior quality polymer networks utilizing boron acid molecules."

### Other (science) issues related to nanotechnology

Promise of nano revolution hasn't materialized
*Canadian Medical Association Journal*
Dec. 20

"Silver nanoparticles, while presumably an effective weapon against very tiny vampires, have long been touted as the technology of the future that would transform medicine."

NIST releases first certified reference material for single-wall carbon nanotubes
EurekAlert
Dec. 21

"The National Institute of Standards and Technology (NIST) has issued the world's first reference

material for single-wall carbon nanotube soot."

Nanotechnology Shines a Light Inside Cells
*The Epoch Times*
Dec. 24
Kat Piper

"Using nanotechnology, scientists have developed an optical probe that can be used to see inside living cells."

Nanotechnology: Forever on the Horizon?
Big Think
Dec. 29

"Carbon nanotubes, microscopic filaments as strong as they are light, have been in the research phase for a decade."