



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

News Clips

April 1-15, 2012

Top Deck

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

[Nanoparticle cancer drug trialled in human patients](#)

The Telegraph (U.K.)

April 3

Nick Collins

"The drug, known as BIND-014, is the first therapy using microscopic particles which can be targeted at a tumour and programmed to release drug doses at a controlled rate to be trialled in humans."

[E-nosy Phone Sniffs Out Danger](#)

IEEE Spectrum Nanoclast

April 6

"In the sometimes baffling array of proposed applications for nanotechnology in mobile phones, we have a new addition with which your mobile phone can detect harmful, airborne substances."

[Drug sent to a cancer cell's nucleus](#)

UPI

"U.S. scientists said a nanoparticle they developed could deliver a drug directly to a cancer cell's nucleus, making treatment more effective."

[Carbon Nanotubes Have Strange New 'Remote Heating' Property](#)

IEEE Spectrum Nanoclast

April 10

Dexter Johnson

"The world of the nanoscale phenomenon offers us a wide range of surprises."

[Nanotech Scientist Creates Waterproof, Magnetic, Antibacterial Paper](#)

Forbes

April 15
Jennifer Hicks

"Dr. Roberto Cingolani, Scientific Director at the Istituto Italiano di Tecnologia (IIT) in Genoa, Italy and his team have created a nanotechnological process that makes paper waterproof, magnetic, antibacterial without modifying any basic properties of the paper."

On Deck

What local sources are reporting

[Liquidia figuring out how to 'unleash' technology](#)

Herald-Sun (Durham, NC)

April 5

Laura Oleniacz

"Durham-based Liquidia Technologies' is working on developing vaccines using tiny particles manufactured as carriers of substances meant to trigger or boost the body's immune response."

[Researchers develop particle to deliver drugs to cancer cells](#)

Daily Northwestern

Jillian Sandler

April 13

"Northwestern researchers have developed a new method of delivering drugs to cancer cells without harming healthy cells."

Nano press

What nanotechnology related publications are reporting

[Nanotube variations affect transistor performance](#)

Nanotechweb

April 1

"Researchers at the University of Illinois at Urbana-Champaign in the US have undertaken the first comprehensive study on how variations in the diameters and local densities of as-produced single-walled carbon nanotubes (SWCNTs) affect the performance of transistors made from arrays of these tubes."

[Quantum Dots Provide Quantitative Profile of Pancreatic Cancer Biomarkers on Single Cells](#)

Nanotechnology Now

April 5

"With the aid of a novel set of lipid-coated, targeted quantum dots, researchers at Johns Hopkins University have developed a method for quantifying multiple specific biomarkers on the surfaces of individual cancer cells."

[Nanoparticles home in on brain tumors, boost accuracy of surgical removal](#)

Nanowerk

April 15

"Like special-forces troops laser-tagging targets for a bomber pilot, tiny particles that can be imaged three different ways at once have enabled Stanford University School of Medicine scientists to remove brain tumors from mice with unprecedented accuracy."

Other (science) issues related to nanotechnology

[Nanotechnology Used to Hunt for Hidden Pathogens](#)

Science Daily

April 9

"Researchers at the University of Central Florida have developed a novel technique that may give doctors a faster and more sensitive tool to detect pathogens associated with inflammatory bowel disease, including Crohn's disease."

[Nano-factories produce cancer drugs at tumor sites](#)

TG Daily

April 10

Kate Taylor

"MIT researchers have created a new type of nanoparticle that can synthesize proteins on demand, potentially creating cancer drugs right at the spot they're needed."

[Nanoscale engineering of wound beds](#)

RSC

April 12

"A collagen-binding peptide with applications in wound healing has been developed by scientists in the US."