From:	Cathy Boggs
To:	Cathy Boggs
Subject:	Fwd: [CNS-weekly-clips] CNS-UCSB News Clips, June 16-30, 2011
Date:	Monday, February 06, 2012 4:44:06 PM
Attachments:	Attached Message Part.txt

-------- Original Message --------
Subject: [CNS-weekly-clips] CNS-UCSB News Clips, June 16-30, 2011
Date: Wed, 06 Jul 2011 13:55:39 -0700
From: CNS - Weekly News Clips from UCSB <cns-weekly-clips@lists.isber.ucsb.edu>
Reply-To: cns-weekly-clips@lists.isber.ucsb.edu
To: cns-weekly-clips <cns-weekly-clips@lists.isber.ucsb.edu>

CNS-UCSB
Center for Nanotechnology in Society

CNS-UCSB
University of California, Santa Barbara
www.cns.ucsb.edu

News Clips

June 16-30, 2011

Top Deck

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

Safe enough to eat?
CBS News

"Despite sometimes startling advances in agriculture in the last couple of decades, science's understanding of the impact of our increased use of engineered nanomaterials on edible crops remains spotty. That can partly be explained by the fact that this remains a relatively new field of study."

Turkish researchers make nanotechnology breakthrough
Hurriyet News Agency
June 17

"A group of Turkish researchers at an Ankara university have manufactured the longest and thinnest nanowires ever produced, by employing a novel method to shrink matter 10-million fold."

Nanowhat? Your Heartbeat Can Now Power your Bluetooth Headset
TMC Net
June 17
Deborah Hirsch

"They seem like science fiction. Nanogenerators. The name seems innocent enough.

Nanosecond is one-billionth of a second. Nanotechnology is a manufacturing technology not too far off in the future that will make most products lighter, stronger, cleaner, and less expensive, according to zyvex.com. Nanogenerators."

Co. wraps wounds with custom bandages
Boston Herald
June 19
Brendan Lynch

"It's becoming trendy for local start-ups to use Netflix as shorthand for explaining their business models. Cambridge's TurningArt, for example, calls itself 'Netflix for art, with an option to buy,' while Providence's Manpacks takes the title of 'Netflix for underwear, without the returns.'"

Russia's Nanotechnology Initiative Goes on a Spending Spree
IEEE Spectrum Nanoclast blog
June 24
Dexter Johnson

"I have been fascinated by the Russian government's foray into nanotechnology, it contains intrigue, hidden complexities, and more than its share of skepticism."

Nanotech's miniature visionaries unsure where to focus
The Telegraph (U.K.)
June 28
James Hurley

"'If a seagull landed on the USS Nimitz, the supercarrier would sink by one nanometre,' says scientist turned entrepreneur Dr Bob Carr, who is trying to describe the dimensions of the peculiar world of the ultra-miniature in layman's terms. 'And the hair on your chin grows by one nanometre in the time it takes you to lift your razor from the sink.'"

Local

Westlake Village company gets EPA money to develop polymers with nanotechnology
Ventura County (CA) *Star*
June 17
Rachel McGrath

"A company headquartered in Westlake Village has received funding from the Environmental Protection Agency to continue developing its innovative, environmentally friendly paint and coatings."

A Regulatory Sweet Spot?
New Haven (CT) *Independent*
Gwyneth K. Shaw

"Super-small carbon materials are relatively new. Regulators in the United States, and internationally, want new materials and products tested for safety. That testing is expensive and time-consuming."

Where There's Smoke, There's . . . Nano?
New Haven (CT) *Independent*
June 22
Gwenyth K. Shaw

"A fire engulfs your home, torching a mattress and sofa as it tears through the rooms. Your life is spared, thanks to flame-retardant chemicals in the couch foam."

Nanotechnology camp gives students the tiny perspective
WTHR
June 27
Bruce Kopp

"Imagine the tiniest bits of matter you could ever study, then mix in a classroom of talented high school students."

Nano Press

What nano-centered publications are reporting

U.S. Secretary of Energy Steven Chu Visits RUSNANO
Nanotechnology Now
June 16

"U.S. Energy Secretary and Nobel Prize laureate Steven Chu paid a visit to the offices of RUSNANO as part of a working trip to Russia."

Carbon nanotubes to the rescue: brain cells rescued by gene silencing offers new options for stroke
Nanowerk
June 20

"Research into the use of nanotechnology in treating stroke has produced evidence of significant motor function recovery. The use of carbon nanotubes to deliver short strands of RNA - called siRNA - and induce gene silencing of specific target areas in the brain responsible for motor functions has allowed scientists to 'switch off' proteins that contribute to neuronal tissue loss. This collaborative and highly multidisciplinary project offers the possibility of a new treatment for stroke."

Nanotechnology pushes battery life to eternity
Nanowerk
June 21

"A simple tap from your finger may be enough to charge your portable device thanks to a discovery made at RMIT University and Australian National University (ANU)."

New FDA sunscreen rules called blind to nanotechnology
Nanowerk
June 24

"The U.S. Food and Drug Administration's newly released sunscreen rules fail to meaningfully consider the risks posed by nanoscale ingredients, according to public interest groups including Friends of the Earth, The International Center for Technology Assessment and Consumers Union (ICTA)."

Towards responsible nanotextiles and coatings: a new risk approach
Nanowerk
June 24

"A new study has developed risk assessment criteria for engineered nanomaterials (ENMs) to help inform innovation and policy decisions ('Environmental and health effects of nanomaterials in nanotextiles and façade coatings'). It illustrates that product design can influence the unintended release of ENMs and that combining knowledge about the product life cycle with a systematic

assessment of the potential hazards may enable responsible choices for future product developments to be made."

Senate Convenes Nano Caucus Briefing
Nanotechnology Now
June 24
Lynn L. Bergeson

"On June 22, 2011, the Congressional Nanotechnology Caucus convened its first meeting in 2011 and hosted its inaugural Nanotechnology Caucus Lecture: Nanotechnology 101. The Nanotechnology Caucus is a bipartisan group of Members dedicated to promoting nanotechnology. Opening remarks were provided by Vincent Caprio, Executive Director, NanoBusiness Commercialization Association. Attendees were then treated to extensive remarks by Senator Ron Wyden (D-OR), a tireless champion of nanotechnology."

Using a simple pen, you can literally write electronics on paper
Nanowerk
June 27

"The silicon chip took over forty years to approach a $300 billion business today. A new form of electronics - printed electronics - will hit that figure in half the time because, unlike the silicon chip, it subsumes electrics such as lighting, batteries, solar cells and heaters, not just electronics. It is usually achieved by printing and its most vital characteristic is physical flexibility. Printed electronics is one of the most important new enabling technologies. It will have a major impact on most business activities from publishing and security printing to healthcare, automotive, military and consumer packaged goods sectors."

Other (science) issue related to nanotechnology

Scientists say nanomaterial dust no more hazardous than conventional dust

Chemical Watch
June 17

"German scientists from industry have found evidence indicating that nanomaterial dust poses no greater risk to health than that from conventional materials, in a study published this week in the nanotechnology journal *Small*."

Regenerating the Ear and Eye
The Next Big Future
June 17

"Finnish researchers have designed tiny nano-particles which can deliver a specific drug to cells of the inner ear. Once brought into position, this drug helps to repair damaged ear cells. As a result people with hearing loss have experienced a significant improvement of their condition."

Nanoparticles disguised as red blood cells will deliver cancer-fighting drugs
EurekAlert
June 20

"Researchers at the University of California, San Diego have developed a novel method of disguising nanoparticles as red blood cells, which will enable them to evade the body's immune system and deliver cancer-fighting drugs straight to a tumor. Their research will be published next week in the

online Early Edition of the *Proceedings of the National Academy of Sciences.*"

FDA Tries to Address Some Concerns Over Nanotech in Biotech
Genetic Engineering News
June 21

"More details are needed, but developers now have a better idea of what constitutes nanomaterials."

Nanoparticles Communicate With Each Other To Kill Cancer Cells
Crazy Engineers.com
June 21
Kunal Mathur

"Biotech and nanotechnology experts in the US have created a new class of nanoparticles that can be used in effective treatment of cancer and other deadly diseases."

Many Eager to Use Nano in Food, But Few Admit It
Food Safety News
June 21
Andrew Schneider

"More than 15,000 food scientists, chefs, recipe developers and purveyors of spices, flavorings and additives met here last week to examine the newest innovations in the cook's pot and on grocery shelves."

Regulators Will Control Nanotechnology Future
IndustryWeek
June 22
Frank Andorka

"Nanotechnology promises great advances for a host of industries, but concerns about health and safety threaten commercialization efforts."

Gold nanoparticles help earlier diagnosis of liver cancer
EurekAlert
June 22

"Hepatocellular carcinoma is the most common cancer to strike the liver. More than 500,000 people worldwide, concentrated in sub-Saharan Africa and Southeast Asia, are diagnosed with it yearly. Most of those afflicted die within six months."

UBC researchers invent new drug delivery device to treat diabetes-related vision loss
EurekAlert
June 29

"A team of engineers and scientists at the University of British Columbia has developed a device that can be implanted behind the eye for controlled and on-demand release of drugs to treat retinal damage caused by diabetes."