From:	Cathy Boggs
To:	Cathy Boggs
Subject:	Fwd: [CNS-weekly-clips] CNS-UCSB News Clips, October 1-15, 2011
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Attachments:	CNS-UCSB Postdoctoral Researcher Announcement.pdf Attached Message Part.txt

-------- Original Message --------
Subject: [CNS-weekly-clips] CNS-UCSB News Clips, October 1-15, 2011
Date: Wed, 19 Oct 2011 16:47:25 -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

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

News Clips

October 1-15, 2011

Molitor, Metzger and Holden join CNS leadership team

Oct. 12, 2011. CNS-UCSB Director Barbara Herr Harthorn today announced the appointments of three new members of the Center's leadership team. Bonnie Molitor started her position as Assistant Director on October 17, 2011. Joining the Center's Executive Committee are Associate Professor Miriam Metzger from the Department of Communication, and Professor Patricia Holden from the Bren School of Environmental Science & Management.

"I am delighted to welcome Bonnie Molitor, Miriam Metzger, and Patricia Holden to the CNS leadership team," said Harthorn. "Bonnie's broad range of accounting. federal grants, and management skills will be valuable assets to CNS' day-to-day operations. As Education Director, Miriam's considerable knowledge of the dynamics leading to successful online education programs will inform the expansion of our formal and informal education and outreach efforts into new directions. And Trish's scientific expertise about the effects of nanomaterials on ecosystems will significantly inform the direction of current and future CNS research into the opportunities and risks posed by nanotechnologies."

Further information about these appointments is at www.cns.ucsb.edu.

Please also find attached an announcement regarding open post-doctoral positions at CNS-UCSB.

Top Deck

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

Breast Cancer: How Far Have We Come?
Huffington Post/Health.com
Oct. 1

"An easy at-home test? Drugs that slash your risk? These aren't science fiction - they're real advances that are revolutionizing the way we find, treat and defeat this disease."

Can a Polymer Membrane Be the Next Big Thing in Battery Technology?
IEEE Spectrum Nanoclast
Oct. 3
Dexter Johnson

"At the end of last week, news came out of National University of Singapore's Nanoscience and Nanotechnology Initiative (NUSNNI) that an energy-storage membrane had been developed that was more cost-effective at storing energy than either rechargeable batteries or supercapacitors."

Are nanotextiles making fabric laws wear thin?
Guardian
Oct. 3
Colin Stuart

"Over the past two decades, scientists have been working to create some remarkable new nanotextiles - but the laws which regulate fabrics have stayed the same. Is it time for them to be updated?"

While the war on science rages, the innovators go about their work
Australian
Oct. 5

"TWO scientists were recently injured when a home-made bomb was posted to their research institute in Mexico. A radical group opposed to nanotechnology claimed responsibility. In July a genetically modified wheat trial crop was destroyed in Canberra by Greenpeace activists. Climate scientists have faced death threats."

Harry Potter's Invisibility Cloak: Mirage Effect Created in Lab
ABC News
Oct. 5

"It's hard to write about the experiment done at the University of Texas at Dallas without invoking Harry Potter and his invisibility cloak - but after you look at the video above, you'll probably agree it's 1) mesmerizing and 2) more realistic than the movie."

Also noted by the Australian, IEEE, among many others.

Iran Trumpets Its Nanotechnology Behind a Veil
IEEE Spectrum Nanoclast
Oct. 6
Dexter Johnson

"This week Iran will be hosting its fourth annual Iran Nano 2011 and the PR materials have been churned out fast and furious leading up to the event."

The Term 'Nanolargesse' Still Not in Common Usage
IEEE Spectrum Nanoclast
Oct. 10
Dexter Johnson

"While nanotechnology has not been a gold mine for creating new fortunes, it's certainly been one for 'nano' being used as a prefix in quasi-portmanteaus, as evidenced by the name of this blog and nearly every nano-related start-up company for the last decade."

MS can be diagnosed early with 'electronic nose'
Jersusalem Post
Oct. 14
Judy Siegel-Itzkovitch

"Young chemical engineer and colleagues at Technion has been proven to detect lung and other cancers from breath, also multiple sclerosis."

Using DNA To Shape Nanostructures
National Public Radio
Oct. 14

"Chemists and materials scientists are trying to learn to build ultra-small, precisely ordered structures for use in optics, electronics, and other applications. Writing in the journal *Science*, Chad Mirkin and colleagues describe a way to use snippets of DNA to tailor the shape and size of crystal structures, tweaking them to fit specific uses."

On Deck

What Local Sources are Reporting

Nano's seeds planted long ago
Times-Union (Albany, N.Y.)
Oct. 3
Jimmy Vielkind

"Billions of dollars invested in research and hundreds of new jobs, so who gets bragging rights for last week's announcement of a major expansion at the College of Nanoscale Science and Engineering? There are plenty to go around."

Ball questions Cuomo's Nano deal
Times-Union
Oct. 3

Jimmy Vielkind

"Sen. Greg Ball is questioning the economic development deal announced last week by Gov. Andrew Cuomo, which will help a consortium of tech companies research chip manufacturing on 450-millimeter wafers."

Nanotechnology: The big game in the Pac-12
Deseret News
Oct. 3
David Layton

"The University of Utah's move to the Pac-12 promises exciting times ahead from an athletic perspective. Although less publicized, joining the ranks of some of the world's most prestigious research universities ushers in even more exciting times for Utah's economy."

Report Scores Lack Of Nanosilver Regulation
New Haven (CT) *Independent*
Oct. 4
Gwyneth K. Shaw

"An environmental advocacy group is again taking aim at the growing use of nanosilver as an antimicrobial agent, accusing the U.S. government of failing to protect consumers."

Bill Introduced to Ensure Safety of Nanotechnology Products
BayNet (Maryland)
Oct. 7

"U.S. Senator Ben Cardin (D-MD) introduced legislation with U.S. Senator Mark Pryor (D-AR) to address potential health and safety risks about products that contain nanotechnology materials."

Nano press

What nanotechnology related publications are reporting

Global activist summit on nanotechnology calls on governments to protect people and environment
Nanowerk
Oct. 7

"Some 30 activists representing 14 environmental, technology assessment and consumer organisations from Europe, the United States, Canada and Latin America met for the 4th International Nanotechnology Activist Summit in Berlin on October 6 and 7."

How to count nanoparticles
Nanowerk
Oct. 10

"Nanoparticles of a substance can be counted and the size distribution can be determined by dispersing the nanoparticles into a gas. But some nanoparticles tend

to aggregate when the surrounding conditions change. Scientists at the University of Gothenburg, Sweden, have shown that it is possible to sort and count the particles, even when they have formed aggregates."

Award-winning nanotechnology image
Nanowerk
Oct. 12

"When Empa researchers receive prizes, it is usually to honour their scientific work. However, the photographs from the scanning electron microscope, taken by Siddhartha Pathak during his postdoctoral time at Empa in Thun, have already been recognised several times for their aesthetic value. This was the case again recently, this time at 'NanoArt 2011', where he was awarded first prize."

Nanomaterials help in early diagnosis of Meningitis
Nanowerk
Oct. 13

"Nanotechnology is an enabling technology that deals with nanometer-sized objects. A decade ago, nanoparticles were studied because of their size-dependent physical and chemical properties . . . Now they have entered a commercial exploration period leading to the establishment various novel fields of science - one of them being nanobiotechnology . . ."

Other (science) issues related to nanotechnology

Scientists combine tumor-targeting peptides and nanoparticles to destroy glioblastoma
PhysOrg
Oct. 3

"Glioblastoma is one of the most aggressive forms of brain cancer. Rather than presenting as a well-defined tumor, glioblastoma will often infiltrate the surrounding brain tissue, making it extremely difficult to treat surgically or with chemotherapy or radiation. Likewise, several mouse models of glioblastoma have proven completely resistant to all treatment attempts."

EPA Fines Logitech for Antibacterial Claims, Consumers Are Misled by Marketing of Products with Antimicrobials

ENews Park Forest
Oct. 5

"The U.S. Environmental Protection Agency (EPA) has ordered computer peripherals maker Logitech, Inc. to pay a fine of $261,000 for illegally advertising one of its keyboards as protecting users from bacteria and microbes."