

Promises, Panaceas, or Problems in the Making? A Closer Look At Emerging Technologies

Funder Briefing and Luncheon
September 30, 2010
at the University Club of Chicago

ADDITIONAL READING SUGGESTIONS

Nanotechnology:

Nano-Risks: A Big Need for a Little Testing

<http://www.scientificamerican.com/article.cfm?id=big-need-for-a-little-testing>

Exposed to Nano? Exhale

http://www.newhavenindependent.org/index.php/archives/entry/exposed_to_nano_exhale/

Study: Super-Strong Buildings May Contain Hidden Risks

http://www.newhavenindependent.org/index.php/archives/entry/study_super-strong_buildings_/

Report Calls For Regulating Nanotech Products

http://www.newhavenindependent.org/index.php/archives/entry/nano_report/

Are Nanotech Consumer Products Safe?

<http://www.scientificamerican.com/article.cfm?id=are-nanotech-consumer-products-safe>

As Nanotech's Promise Grows, Will Puny Particles Present Big Health Problems?

<http://www.scientificamerican.com/article.cfm?id=will-nano-particles-present-big-health-problems>

Do Nanoparticles in Food Pose a Health Risk?

<http://www.scientificamerican.com/article.cfm?id=do-nanoparticles-in-food-pose-health-risk>

Tiny Tech Can Leave a Big Mess

<http://www.scientificamerican.com/article.cfm?id=tiny-tech-big-mess>

Selected Studies on the Effects of Nanotechnology:

Carbon nanotubes may suppress human immunity

<http://www.guardian.co.uk/science/2009/jun/15/carbon-nanotubes-immune-system-nanotechnology>

Nanomaterials and Damage to Essential Food Crops: Is Rice in Jeopardy?

http://www.sciencecorps.org/Nanowaste_and_the_food_supply_Final.doc

Nanoparticle exposure related to serious lung damage, deaths of Chinese workers

<http://nano.foe.org.au/node/350>

Nanoparticles in Sunscreen Damage Microbes

<http://www.scientificamerican.com/article.cfm?id=nanoparticles-in-sunscreen>

Nanoparticles used in sunscreens, cosmetics, harm next generation - mice studies

<http://nano.foe.org.au/node/309>

Nanosilver used in food storage materials found to interfere with DNA replication

<http://www.nanowerk.com/spotlight/spotid=9340.php>

Nanotubes boost plant pollutants

<http://www.rsc.org/chemistryworld/News/2009/June/10060904.asp>

New study compares nanotechnology risks with disclosure failures in asbestos litigation losses

<http://www.nanowerk.com/news/newsid=11171.php>

Toxicity of nanoparticles: Zinc oxide on the brain

<http://www.natureasia.com/asia-materials/highlight.php?id=438>

Socio-Economic Implications of Nanotechnology Applications

<http://www.nanolabweb.com/index.cfm/action/main.default.viewArticle/articleID/292/CFID/4018459/CFTOKEN/28054043/index.html>

Study finds manmade nanoparticles could contaminate marine food web

<http://www.nanowerk.com/news/newsid=11288.php>

Synthetic Biology:

Merely Human? That's So Yesterday

<http://www.nytimes.com/2010/06/13/business/13sing.html>

Creating synthetic life is a powerful, dangerous tool - Experts call for regulation

<http://www.vancouversun.com/technology/Creating+synthetic+life+powerful+dangerous+tool/3060367/story.html>

Americans Ignorant of Plans to Create Artificial Life

<http://www.foxnews.com/story/0,2933,431401,00.html>

Concerns over synthetic biology

http://news.bbc.co.uk/today/hi/today/newsid_7443000/7443476.stm

Lab-made genome gives new life to ethics debate

<http://www.theglobeandmail.com/news/technology/science/article663217.ece>

The High-Tech Search for a Cleaner Biofuel Alternative

<http://e360.yale.edu/content/feature.msp?id=2106>

Hackers aim to make biology household practice

http://www.boston.com/news/science/articles/2008/09/15/accessible_science

How to Kill Synthetic Biology

<http://www.scientificamerican.com/article.cfm?id=how-to-kill-synthetic-bio>

'Synthetic biology' holds promise, but doubts simmer

http://www.usatoday.com/news/health/2009-08-30-synthetic-biology_N.htm

Geo-engineering:

Playing God' with the climate?

http://www.bbc.co.uk/blogs/thereporters/richardblack/2010/05/playing_god_wit_h_the_climate.html

Can Geoengineering Help Slow Global Warming?

<http://www.time.com/time/health/article/0,8599,1916965,00.html>

Earth's Future May Rest on Risky Geoengineering, Scientists Conclude

<http://blogs.nationalgeographic.com/blogs/news/chiefeditor/2009/09/earths-future-may-rest-on-risk.html>

Greenhouse plan could damage ozone

http://www.usatoday.com/tech/science/environment/2008-04-24-greenhouse-ozone_N.htm

Hacking the Sky

http://www.earthisland.org/journal/index.php/eij/article/hacking_the_sky

Obama looking at cooling air to fight warming

<http://www.guardian.co.uk/world/feedarticle/8448106>