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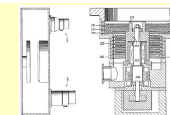
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News Clips—Breaking Stories from 3rd-Party Newswires

[Axial ligand tuning of a nonheme iron\(IV\)-oxo unit for hydrogen atom abstraction](#)

[Biotechnology] [Nano] [Biomimetic] [Biocatalysis] Department of Chemistry, Division of Nano Sciences, and Center for Biomimetic Systems, Ewha Womans University, Seoul 120-750, Korea; Department of Chemistry and Interdisciplinary Program of Integrated Biotechnology, Sogang University, Seoul 121-742, Korea; Department of Chemistry and Center for Metals in Biocatalysis, University of Minnesota, Minneapolis, MN 55455; ¶ Department of Chemistry and Lise Meitner-Minerva Center for Computational Quantum Chemistry, Hebrew University of Jerusalem, Jerusalem 91904, Israel; and || Department of Chemistry, University of Wisconsin, Eau Claire, WI 54702 Relevance: 26

[Partnership of Google and NASA grows slowly](#) [biotechnology] [nanotechnology] [devices]

By combining brain power, the partners hope to tackle supercomputing, biotechnology and nanotechnology, the study of extremely small devices. ... Chris Kemp, director of strategic business development for NASA, spoke of other potential projects such as having Google digitize some of the agency's books and documents, including research garnered from NASA's giant wind tunnels. ...

Relevance: 38

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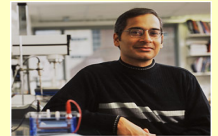
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[Using Carbon Nanotubes To Seek and Destroy Anthrax Toxin and Other Harmful Proteins](#) [Nanotubes] [Nanotechnology] [biological] [biotechnology]

[cells] Using Carbon Nanotubes To Seek and Destroy Anthrax Toxin and Other Harmful Proteins ... Researchers at Rensselaer Polytechnic Institute have developed a new way to seek out specific proteins, including dangerous proteins such as anthrax toxin, and render them harmless using nothing but light. ... Relevance: 90

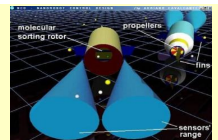


[Engineering Research Institute launched](#) [bioengineering] [nanomaterials] [medical]

MERIT's research focus falls on four critical areas - bioengineering, information and communications, materials and sustainability. ... Engineering Research Institute launched... Relevance: 57

[Nanorobots for drug delivery?](#) [medical] [nanotechnology] [Nanorobots]

[molecular] [sensors] Fully operational nanorobots for biomedical instrumentation should be achieved as a result of nanobioelectronics and proteomics integration.? ... Now, an international team of researchers has designed a software and hardware platform of... Relevance: 80



[Sematech plant poised to be a nanotechnology player](#) [nanotechnology]

[nanotech] [nanoscale] [devices] [medical] Sematech plant poised to be a nanotechnology player ... Renowned researcher's startup using lab's advanced chip-development capabilities to create a microdrug delivery system.... Relevance: 92



[Albany NanoTech a big hit: Investment banker organizes tour of facility for people attending NYC conference](#) [NanoTech] [nanotechnology] [biotech] [biotechnology] [Nanoscale]

Albany NanoTech a big hit: Investment banker organizes tour of facility for people attending NYC conference ... But he was blown away by Albany NanoTech, which houses the University at Albany's College of Nanoscale Science and Engineering... Relevance: 78

[UAlbany NanoCollege Hosts 2,000th Student to Visit and Tour CNSE'S Albany NanoTech During 2007](#) [NanoTech] [nanotechnology] [Nanoscale] [nanobioscience] [health care] [NanoCollege] UAlbany NanoCollege Hosts 2,000th Student to Visit and Tour CNSE'S Albany NanoTech During 2007 ... Three hundred students from throughout New York's Tech Valley region attended NanoCareer Day today at the College of Nanoscale Science and Engineering ("CNSE") of the University at Albany, bringing to more than 2,000 the number of middle- and high-school students to visit the UAlbany NanoCollege this year.... Relevance: 87

[Patients With Protein-Losing Enteropathy Can Now Be Treated Safely And Effectively](#) [Medical] [bionanotechnology] [cells] [therapeutic] [molecules] In 2006, Burnham established a center for bionanotechnology research at the University of California, Santa Barbara. ... Researchers at the Burnham Institute for Medical Research (Burnham Institute) have developed the first model to study intestinal protein leakage in mice, allowing the team to control and replicate both genetic deficiencies and environmental damages in an in vivo setting. ... Relevance: 55

[ValveXchange Wins The Third Annual Faegre & Benson Venture Showcase Award, Presented At BioWest 2007](#) [BioScience] [BioWest] [Nanodisc] [biotech] [Biofuels] Additional participants included mBioSystems (Boulder, CO), Nanodisc, Inc. ... That funding has allowed for prototypes developed with proof of concept, two-piece exchangeable tissue valve, functional & mechanical tests, in vitro testing of prototypes, validated performance and in vivo testing. ... Relevance: 52

[Mechanism for regulation of growth and differentiation of adult muscle stem cells is revealed](#) [cells] [Medical] [bionanotechnology] [Molecular] [cellular] In 2006, Burnham established a center for bionanotechnology research at the University of California, Santa Barbara. ... group of scientists at the Burnham Institute for Medical Research in La Jolla, CA, analyzed the mechanism by which certain cellular signaling cues cause epigenetic modifications when released within the regenerative microenvironment, thus controlling the expression of genes that regulate growth and differentiation of muscle stem cells that repair injured muscle.... Relevance: 56

[Xcel Energy Announces Renewable Energy Project Selections](#) [biomass] [biotechnology] [nanocrystal] [biofuel] [biogas] University of North Dakota, Grand Forks, N.D., to test and develop a novel biotechnology additive to convert biomass into biogas, \$970,558. ... MINNEAPOLIS-- (Business Wire)--Twenty-two proposed renewable energy projects featuring wind, hydroelectric, solar, biomass and biofuel technologies have been selected to receive nearly \$23 million from the Xcel Energy (NYSE:XEL) Renewable Development Fund.... Relevance: 64

[Major Advance in the Observation of DNA Molecules](#) [Molecules] [biotech] [nanobiotechnology] [biotechnology] [nanometric] This method will facilitate research into DNA/protein interactions and their impacts on DNA activity, DNA chips and nanobiotechnology. ... EVRY, France, December 7 /PRNewswire/ -- The teams of Eric Le Cam, from the "Molecular Interactions and Cancer" lab (UMR 8126 - Institut Gustave Roussy/CNRS/Universite Paris Sud) and David Pastre, from the "Structure and Activity of Normal and Pathological Biomolecules - SABNP" lab (Inserm/Universite d'Evry-Val-d'Essonne, U829, Genopole Evry) have successfully developed a new method for observing DNA using atomic force microscopy (AFM) under intracellular p... Relevance: 74

[Access Pharmaceuticals Demonstrates Ability to Significantly Reduce Glucose Levels in Pre-clinical Testing of Cobalamin\(TM\) Oral Insulin](#) [nanoparticles] [biotechnology] [bioavailability] [biopharmaceutical] [treatment] Access has patents and formulations based on vitamin B12 attachment to polymers and nanoparticles which carry an attached or encapsulated drug. ... "In addition to providing a potential oral delivery option for insulin which would be attractive to a large number of pharmaceutical companies and which we would develop in partnership with a collaborator, we believe that our Cobalamin technology has applicability to a variety of cancer products, such as LHRH which are part of our developing cancer and supportive care franchise."... Relevance: 54

[Thousands of chemical engineers gather in Salt Lake City](#) [nanoscale] [biotechnology] [nanomaterials] [Bioengineering] [Biorefineries] Nearly 700 technical sessions that focused on energy, biotechnology, nanoscale science and engineering, and environmental sustainability were held. ... Thousands of chemical engineers gather in Salt Lake City... Relevance: 78



[Nanobioelectronic System that Controls Enzymatic Activity](#) [Nanobioelectronic] [bioelectronic] [devices] [Nanowerk] [nanotubes] Nanobioelectronic System that Controls Enzymatic Activity ... 's Michael Berger is reporting that scientists under Dr. ...
Relevance: 60

[Nanobioelectronic system triggers enzyme activity](#) [nanobioelectronic] [bioelectronics] [bioelectrocatalytic] [biochemical] [sensors] Such an adaptive magneto-switchable nanobioelectronic system exploits the distinct properties of its individual nanomaterial components, can be extended to a wide range of biocatalytic systems, and offers great promise for regulating the operation of biofuel cells, bioreactors, and biosensing devices in response to specific needs. ... An example of recent advances in the field is the work of researchers in the U.S. who have designed an integrated nanobioelectronic system, exploiting the distinct properties of nanowires and carbon-nanotubes (CNTs), for triggering reversibly and on-demand bioele...
Relevance: 58

[Bangalore now to emerge as India's nano-technology hub](#) [nano] [biotechnology] Bangalore now to emerge as India's nano-technology hub ... Inaugurating "Bangalore Nano 2007" here Thursday, Karnataka Governor Rameshwar Thakur said the state government was collaborating with Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) to foster nano-science and nano-technology, leveraging the rich talent pool and science and technology (S&T) resources in the state....
Relevance: 81

[Biophage announces commercial launch of titanium hypersensitivity detection test at mini symposium on the effect of toxic](#) [nanoparticles] [Biophage] [biotechnology] [Biosensors] [human] [biosensor] Biophage announces commercial launch of titanium hypersensitivity detection test at mini symposium on the effect of toxic metals and nanoparticles on human health ... Invited guests were given a tour of Biophage ImmunotoxLabs and were able to interact with its scientists. ...
Relevance: 67

[Re-engineered Gleevec Reduces Heart Risks, Study Suggests](#) [bioengineering] [nanoparticles] [cell] [therapeutic] [molecular] The re-engineered version of imatinib, a new drug dubbed WBZ-4, was designed at Rice, based on a rational strategy developed by Ariel Fernandez, professor of bioengineering. ... ScienceDaily (Dec. ...
Relevance: 58

