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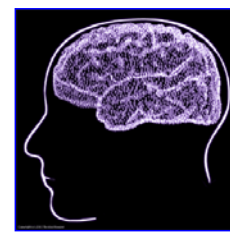
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  - NanoScience

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**Latest News**



**Health & Medicine / NEUROSCIENCE**  
**Word Learning in Children**

3 Aug, 2007 10:59 am

Bob McMurray is a speech learning specialist. He explains his study on children's word aquisition ability and how this relates to learning in general.... >> [Read more](#)

Interview: Dr Bob McMurray -

**Technology / NANOSCIENCE**  
**Can Semiconductors Operate Like a Human Cell?**

3 Aug, 2007 10:59 am

Semiconductor membranes made of two thin layers of opposite n- and p-doping can perform electrically tunable ion current rectification and filtering in a nanopore, which are fundamental functions of biological... >> [Read more](#)

Posted by Dr Jean-Pierre Leburton -

**Earth & Environment / CLIMATE CHANGE**  
**Siberian Forest Fires: "Carbon Released from Soils Could Double The Greenhouse Effect"**

2 Aug, 2007 02:08 pm

Heiko Balzter studies biosphere's responses to environmental change. He explains how climate change is altering fire regime in Siberian forests. ... >> [Read more](#)

Interview: Prof Heiko Balzter -

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- Health & Medicine / NEUROSCIENCE**
- >> Word Learning in Children
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  - >> Spot the Difference: How Do Brains Tell one Place from Another?

- Technology / NANOSCIENCE**
- >> Can Semiconductors Operate Like a Human Cell?
  - >> Bio-inspired Super-strong Carbon Materials
  - >> Impact of Fullerene (C60) on Organisms in the Soil

- Earth & Environment / CLIMATE CHANGE**
- >> Siberian Forest Fires: "Carbon Released from Soils Could Double The Greenhouse Effect"
  - >> Bird Ranges' Shifting North: A Possible Signature of Global Climate Change?
  - >> Climate and Energy Security: Towards a Low Carbon Economy

**Technology / NANOSCIENCE**  
**Bio-inspired Super-strong Carbon Materials**

2 Aug, 2007 02:08 pm

Our work in the July 26, 2007 issue of Nature demonstrates a materials platform that can be further tuned through chemistry to perhaps yield super-strong but lightweight structures with many applications... >> [Read more](#)

Posted by Prof Rodney S. Ruoff -

**Technology / FUTURE ENERGIES**  
**Better Than Ethanol? BTL in plug-in hybrid diesel vehicles**

2 Aug, 2007 02:07 pm

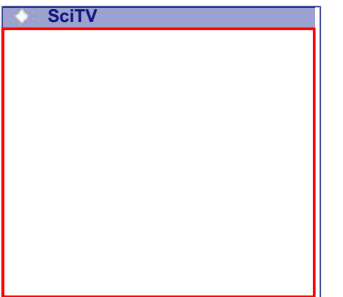
Reed M. Benet is a biofuels focused Ph.D. Student University of California Davis Institute of Transportation Studies. He proposes that plug-in hybrid diesel vehicles (versus gasoline variants) combined... >> [Read more](#)

Posted by Mr Christopher Le Coq (Scitizen) -

- Biology / BIODIVERSITY**
- >> Metagenomics Meeting Report
  - >> "The More Ecosystems Services, The Greater The Biodiversity Needed to Underpin Those Services"
  - >> Arctic Biodiversity: certain loss, potential discoveries?

- Biology / STEM CELLS**
- >> Smoking causes mutation in sperm DNA: Health Canada Study Links Smoking to Potential Heritable Effects
  - >> Potential of Umbilical Cord Blood Stem Cells in Regenerative Medicine
  - >> The Ethics of Stem Cell Research

- Astronomy & space / EXTRASOLAR PLANETS**
- >> "Water is There!"
  - >> "We Are Too Earth-Centric in Our Search for Alien Life"
  - >> "Our Job is to Find Another Earth"



- SciTV**
- >> Better Than Ethanol? BTL in plug-in hybrid diesel vehicles
  - >> Climate and Energy Security: Towards a Low Carbon Economy
  - >> CNN/YouTube 2008 Democratic Presidential Debate on energy issues



- UPCOMING**
- Agriculture and Food Workers Challenge Nanotechnologies
  - Learning a Second Language: Is It All In the Head?
  - Maize Streak Virus-Resistant Transgenic Maize: an African solution to an African Problem
  - Astrophysics at the Galactic Center appears to counter General Relativity
  - Do You Know That Aluminum Can Be Used As a Hydrogen Source for Fuel Cells?

**Monthly column**

**Prof Wolfgang Bacsa**  
 >> Did you come across nanobots lately?

**Prof Chris Rhodes**  
 >> Vast Oil and Life in the Deep-Earth.

**Dr Roger A. Pielke, Sr.**  
 >> The Importance of Heterogeneous Human Climate Fo...

- OPINION**
- Nuclear 'Green', Renewables Not?
  - A New Human
  - Did you come across nanobots

**Technology / FUTURE ENERGIES**

- >> Better Than Ethanol? BTL in plug-in hybrid diesel vehicles
- >> Nuclear 'Green', Renewables Not?
- >> World Oil Supply May Fail Within 5 Years.

**Biology / EVOLUTION**

- >> Varying Environments Can Speed Up Evolution
- >> A New Human
- >> Distant Cousins, But Close: The Surprising Complexity of The Sea Anemone Genome

**Technology / BIOTECHNOLOGY**

- >> I Didn't Notice I Lost a Gene
- >> Improve Upon Nature: Genetically Encoding Unnatural Amino Acids
- >> Are You Listening as Well as You're Hearing?

**Science & society / SCIENCE POLICY**

- >> CNN/YouTube 2008 Democratic Presidential Debate on energy issues
- >> "EFSA Is Neither Pro Nor Anti GMO"
- >> "Some People Try to Use Wikipedia for Ideological Purposes"

**Physics / COSMOLOGY**

- >> Braking News for Creationism
- >> The Asteroidal YORP Effect Observed
- >> A 45 Year Old Mystery Cracked?

**Health & Medicine / CANCER**

- >> New Lead For Breast Cancer Therapy
- >> Four New Breast Cancer Genes Identified
- >> Characterization of Ovarian Tumor Vascular Cells, a New Source for Ovarian Cancer Biomarkers

**Health & Medicine / AIDS**

- >> Preventing HIV Transmission to Infants Through Breastfeeding: The Key for Child Survival
- >> New Drugs to Combat AIDS
- >> DNA Damage Caused by Drug Used To Prevent HIV Transmission from Mother to Child

**Health & Medicine / BIRD FLU**

- >> Phylogeography Tracks Bird Flu's Long March
- >> Identification of Step in Flu Virus Replication Supports Development of New Vaccines
- >> New Research Predicts Pathways Of Past And Future Spread Of H5N1 Avian Influenza

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