
Nanotechnology Takes Off
latitude 37.873798, longitude -122.254475

What's 100,000 times thinner than a strand of hair? A nanometer. Discover the nanotech boom in Berkeley, where researchers are working to unlock the potential of nanoscience to battle global warming and disease.

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**Recommended QUEST Resources**

**QUEST Science Blog - Discuss the Nanotechnology Takes Off TV story**
Discuss the Nanotechnology Takes Off TV story on the KQED QUEST Science Blog.

**Nanotechnology Takes Off - KQED QUEST flickr set**
See & discuss additional photos from our Nanotechnology Takes Off TV Story.

**Solar City: The Future of Nanosolar**
Hoping to leave today’s silicon solar cells behind, the Palo Alto company Nanosolar is creating paper-thin solar panels harnessing nanotechnology, a product that could revolutionize solar power.

**Macro Concerns in a Nano World**
At 10,000 times smaller than the width of a human hair, you can’t see nanoparticles, but you can find them in everyday products like sunscreen and clothing. But environmental and health concerns are mounting about exposure to nanomaterials, sparking a growing debate about their possible regulation.

**Additional Links**

**COINS: Center of Integrated Nanomechanical Systems**
The Center of Integrated Nanomechanical Systems (COINS) is an interdisciplinary home for research and education/outreach in nanomechanical systems established by the National Science Foundation.

**Zettl Research Group**
An experimental solid state physics group led by Prof. Alex Zettl in the Department of Physics at U.C. Berkeley and in the Materials Sciences Division of Lawrence Berkeley National Laboratory. They are currently investigating electronic, magnetic and mechanical properties of nanoscale materials such as fullerenes, carbon and non-carbon nanotubes.

**E-SPACES / CG4TV 3D Animation Studio**
The nanorobots seen in this story are provided courtesy of Philippe Van Nedervelde’s E-SPACES / CG4TV.com 3D animation studio, who specialize in the 3D visualization of nanotechnology products and technologies.

**Lawrence Berkeley National Laboratory**
With 17 scientific divisions and 5 Department of Energy user facilities, including the new Molecular Foundry devoted to nanoscience, Berkeley Lab research includes fundamental studies of the universe, environmental solutions, supercomputing, and much more—everything from dark energy to...
Listen to the Exploratorium’s Nanotech Podcasts
Check out their monthly series of podcasts covering the emerging field of nanotechnology.

Sun, May 3 at 6:30PM, on KQED World
Zeppelins Resurrected/Animal Chefs
Tue, May 5 at 7:30PM, on KQED 9HD
Wed, May 6 at 1:30AM, on KQED 9HD
Chasing Beetles, Finding Darwin
Thu, May 7 at 6:30AM, on KQED World
Zeppelins Resurrected/Animal Chefs
Fri, May 8 at 2:00PM, on KQED 9HD

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