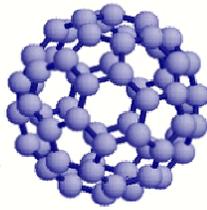


MIT  
Stanford  
UC Berkeley  
Nanotechnology Forum



## Nanotechnology Applications and Implications

A focus on the health and environmental effects of nanomaterials

### Distinguished Speakers and Panelists

Clayton Teague (invited, National Nanotechnology Co-ordination Office), Annabelle Hett (SwissRe, Switzerland), Christoph Meili (Society of Innovation, Switzerland), Heinrich Hofmann (Ecole Polytechnique Federal de Lausanne, Switzerland), Viki Colvin (Professor, Rice University), Robert Haas (Staff Toxicologist, California EPA), Margarethe Hofmann (Swiss Association for Materials Science and Technology), Anthony Waitz (Quantum Insight), Karl Knop (CSEM) and Peter Vettiger (CSEM).

### VENUE

Swissnex, 730 Montgomery Street, San Francisco,  
December 7, 2005  
2:00-9:00 pm

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## AGENDA

2:00 – 2:05 pm: Welcome by **Birgit Woetzel**, Swissnex

2:00 – 2:10 pm: Welcome by **Dr. Wasiq Bokhari**, Conference Chair

2:10 – 2:35 pm: *Overview of Nanotechnology in the US*, **Clayton Teague**, Director, National Nanotechnology Co-ordination Office, USA (Invited)

### Session I: Lessons from the Past and Current Public Perceptions

2:35-2:55 pm: *Risks and Chances of Emerging Technologies*, **Annabelle Hett**, SwissRe, Switzerland

2:55 – 3:15: *Nano between hype, hope and hysteria - how to deal with public perception*, **Christoph Meili**, Society of Innovation, Switzerland

*15 min break*

### Session II: Review Talks on Recent Studies of Nanoparticles and Nanotubes

3:30 – 4:00pm: *Nanoparticles for Medical Applications: From Imaging To Gene Therapy*, **Heinrich Hofmann**, Powder Technology Laboratory, Ecole Polytechnique Federal de Lausanne, Switzerland (20 min talk; 10 min Q&A)

4:00 – 4:30pm: Review Talk about conducted and completed nanotube studies, **Viki Colvin**, Rice University (20 min talk; 10 min Q&A)

*30 min coffee and tea break*

Session III: 5 – 6 pm: Panel Discussion: Applications and Implications (40 min + 20 min Q&A)

- **Anthony Waitz**, Managing Partner, Quantum Insight
- **Margarethe Hofmann**, consultant and President, Swiss Association for Materials Science and Technology
- **Gary Hooper**, formerly VP at Genencor International
- **Christine Petersen**, Foresight Insitute
- Moderator: **Robert Haas**, Staff Toxicologist, California EPA

## **Evening Reception (For conference participants only)**

6:00 – 7:00 pm: Refreshments and Networking

7:00 – 8:00 pm: Presentations followed by networking

*Historical and present overview of nano related activities in Switzerland and their actual and future impact in the marketplace, **Karl Knop**, CSEM.*

Evening Keynote Speaker:

*Latest developments in the Millipede data storage device and related applications in Life Sciences (Biopede), **Peter Vettiger**, CSEM and co-founder & former Project leader of the Millipede Project at IBM Rueschlikon*

9:00 pm: Session close by Conference Chair

## SPEAKER BACKGROUND INFORMATION

### MIT • Stanford • UC Berkeley Nanotechnology Forum

#### **Introduction and Mission Statement**

The Nanotechnology Forum is the largest nanotechnology focused organization in the Bay Area. It is dedicated to promoting the burgeoning field of nanotechnology by connecting ideas, technology and people. It is a unique organization, run entirely by unpaid volunteers under the umbrella of the alumni associations of the three universities.

The Nanotechnology Forum primarily serves the alumni communities of MIT, Stanford and the University of California, Berkeley, but events are open to anyone interested or active in the field of nanotechnology. We provide opportunities for industry experts, researchers, entrepreneurs, venture capitalists, private investors, technologists and the interested public to discuss, understand and evaluate the state-of-the art in nanotechnology.

Our events feature leading researchers, business leaders, investors, policy makers and entrepreneurs active or interested in the field of nanotechnology.

#### **Steering Committee**

Kitu Bindra, Dr. Wasiq Bokhari (Chair), Elizabeth Curran, Terry Fuqua, Peter Chou, Dr. Fred Lam, Vivek Nadkarni, Camille Olufsson, Gina Reiger, Dr. Jane Scheiber, Anthony Waitz, Qian Wu.

#### **Contact**

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### *Hitachi Ltd*

Hitachi Ltd., headquartered in Tokyo, Japan, is a leading global electronics company, with approximately 326,000 employees worldwide. Fiscal 2003 (ended March 31, 2004) consolidated sales totaled 8,632.4 billion yen (\$81.4 billion). The company offers a wide range of systems, products and services in market sectors including, information systems, electronic devices, power and industrial systems, consumer products, materials and financial services. For more information on Hitachi please visit the company's web-site at <http://www.hitachi.com>.



### *Quantum Insight*

Quantum Insight is a pioneering business strategy services firm in the field of emerging new materials and nanotechnology. Our customers include Fortune 500 companies as well as venture and corporate funds. We provide strategic business and market development services to companies active or interested in the fields of emerging new materials and nanotechnology. We also provide investment research and targeted deal sourcing services to venture and corporate funds seeking to build new technology startups.



We at Buchanan Ingersoll are proud to say that among our 100 plus scientists and attorneys from all the major scientific disciplines we have some of the pioneers in the field of nanotechnology. Our attorneys have developed

patent portfolios around some of the fundamental building blocks of this emerging area, including carbon nanotubes, photo-voltaics, MEMS, NEMS, and fuel cells. Our attorneys have founded some of the most successful nanotechnology networking organizations across the country and are well positioned to introduce clients to venture capitalists, industry leaders, and others who can help establish successful businesses.



### *Girvan Institute of Technology, NASA*

The Girvan Institute of Technology is a non-profit corporation focused on research, technology development, technology transfer, and technology commercialization at the NASA Research Park, Moffett Field, California. Girvan's primary mission is to accelerate the convergence of commercial markets and government-developed technologies, and to spur the use of innovative commercial technology for NASA missions. Girvan identifies commercially developed technologies of interest to NASA, and assists small companies in accessing technology developed by US government agencies for eventual application in commercial markets.

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