

University of California
System-Wide Technology Transfer Forum
NANOTECHNOLOGY

DATE: April 13, 2007

LOCATION: Hyatt Regency San Francisco Airport, Burlingame

TIME: 8:30 am to 5:15 pm

This is an invitation only event!

AGENDA

8:30 – 9:00

REGISTRATION and BREAKFAST

9:00 – 9:30

WELCOME

Gonzalo Barrera-Hernández, Assistant Director
Business Development & IP Management
Office of Technology Transfer, Office of the President

OPENING REMARKS and OVERVIEW of NANOTECHNOLOGY at UC

Bill Tucker, Executive Director
Research Administration and Technology Transfer
Office of the President

9:30 – 10:00

INDUSTRY SPEAKER *Hosted by Morrison & Foerster, LLP*

Patrick Soon-Shiong
Chairman and CEO Abraxis Bioscience, Inc.
*"The Convergence of Biomedicine & Nanotechnology: Next Generation
Medical Care"*

10:00 – 10:30

COFFEE BREAK

MORNING BREAKOUT SESSIONS

PHYSICAL SCIENCES SESSION

Moderated by Dr. Roger Werne

- 10:30 – 11:00 **Roger W. Werne, Ph.D.**
Chief Technologist for Industrial Partnerships
Lawrence Livermore National Laboratory
"Nanotechnology at LLNL: First Principles to Finished Products"
- 11:00 – 11:30 **Marc Madou, Ph.D.**
Professor, Mechanical & Aerospace Engineering
University of California, Irvine
"From Carbon-MEMS to Carbon-NEMS"
- 11:30 – 12:00 **Yushan Yan, Ph.D.**
Professor and University Scholar, Department of Chemical
& Environmental Engineering
University of California, Riverside
"Nanotechnology for Cheaper and More Durable Fuel Cells"

LIFE SCIENCES SESSION

Moderated by Dr. Michael J. Heller

- 10:30 – 11:00 **Michael J. Heller, Ph.D.**
Professor, Department Bioengineering/ECE
University of California, San Diego
"Challenges and Opportunities in Bionanotechnology"
- 11:00 – 11:30 **Tejal Desai, Ph.D.**
Professor, Department of Physiology and Division of Bioengineering
University of California, San Francisco
"Nanostructured Interfaces for Therapeutic Delivery"
- 11:30 – 12:00 **Abraham "Abe" Lee, Ph. D.**
Professor, Department of Biomedical Engineering
University of California, Irvine
*"Novel Microfluidic Devices for Health Monitoring
and Advanced Therapeutics"*

12:00 – 1:30

LUNCH BREAK and PANEL DISCUSSION

“Partnering Nanotechnologies”

Hosted by Wilson Sonsini Goodrich & Rosati

Panelists:

- Kenneth A. Clark (*Moderator*), Partner, Wilson Sonsini Goodrich & Rosati
- Daniel I. Rubin, Alloy Ventures
- Daniel T. Colbert, CTO, NGEN Partners
- Don R. Kania, President and CEO, FEI Company

AFTERNOON BREAKOUT SESSIONS

PHYSICAL SCIENCES SESSION

Moderated by Dr. Roger Werne

1:45 – 2:15

Thomas G. Mason, Ph.D.

Associate Professor and John McTague Chair of Chemistry
University of California, Los Angeles

“Colloidal Alphabet Soup: High-Throughput Production of Shape-Designed LithoParticles”

James K. Gimzewski, Ph.D.

Department of Chemistry and Biochemistry
University of California, Los Angeles

“Nanotechnology and the Future”

2:15 – 2:45

Valerie J. Leppert, Ph.D.

Director, Foster Family Center for Engineering Service Learning
University of California, Merced

“Nanotechnology at UC’s Newest Campus”

2:45 – 3:15

Alex Zettl, Ph.D.

Senior Scientist, Lawrence Berkeley National Laboratory
Professor, Department of Physics
University of California, Berkeley

“Exploiting Nanostructures for Sensing and Energy Conversion Applications”

3:15 – 3:45

Andrew Cleland, Ph.D.

Professor of Physics
University of California, Santa Barbara

“Nanoelectronic Technology for Bioscience”

LIFE SCIENCES SESSION

Moderated by Dr. Michael J. Heller

- 1:45 – 2:15 **Song Li, Ph.D.**
Associate Professor, Department of Bioengineering
University of California, Berkeley
"Nanofibers for Regenerative Medicine"
- 2:15 – 2:45 **Massoud Akhtari, Ph.D.**
Assistant Professor, Neuropsychiatric Institutes
University of California, Los Angeles, School of Medicine
"MagnetoNanoparticles (MNP) in Diagnosis and Therapy of Disease"
- 2:45 – 3:15 **Sadik Esener, Ph.D.**
Director, Nano Tumor Center of Excellence for Cancer Nanotechnology
University of California, San Diego
"Photonics and Nanotechnology for Cancer Diagnostics and Therapeutics"
- 3:15 – 3:45 **Angelique Louie, Ph.D.**
Assistant Professor, Department of Biomedical Engineering
University of California, Davis
"Luminescent/Paramagnetic Quantum Dots for Multimodal Imaging"

3:45 – 4:15 **COFFEE BREAK**

4:15 – 5:15 **PANEL DISCUSSION**
**"The Journey From Nanotech Start-Up To
Macro-Sized Company"**
Hosted by ARCH Venture Partners

Panelists:

- Clinton Bybee (*Moderator*), Co-Founder and Managing Director of ARCH Venture Partners
- Calvin Chow, Co-Founder and CEO of Nanosys
- Daniel Leff, Executive Vice President and Managing Director of Harris & Harris Group

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