

**Caltech/MIT Enterprise Forum
February 18, 2006**

Nanotechnology: The Revolution Continues

PRESENTERS

Cary Gunn

Co-Founder & Vice President of Technology
Luxtera

Cary Gunn leads Luxtera's world class technology development activities. Cary went to Caltech with a cohesive vision for monolithically integrated optoelectronics. During doctoral studies in Professor Axel Scherer's nanofabrication group Cary's research led to numerous breakthroughs in nanophotonic design and fabrication. Cary has applied this vision and early breakthroughs as the foundation of Luxtera's technology.

Prior to attending Caltech Cary researched and developed MEMS and DWDM systems at the Aerospace Corporation, one of the world's premier space technology R&D organizations. Previously an officer in the U.S. Air Force, he supervised a team of 250 people as Integrated Product Team Leader for stages one and two of the USAF Delta II rocket program.

The MIT Technology Review acknowledged Cary as one of the World's Top 100 Young Innovators in October 2003. Cary holds a B.S. in Applied Physics from the U.S. Air Force Academy and a Ph.D. from Caltech.

Brent Segal

Co-Founder & Chief Operating Officer
Nantero

Brent Segal is a Co-Founder and part-time Chief Operating Officer of Nantero, a leading Nanotechnology company where he oversees operations roles focusing on partnerships, involving companies such as LSI Logic, BAE Systems and ASML. He continues to assist Nantero with intellectual property management and government programs involving the Navy and various agencies.

He was previously a member of Echelon Ventures of Burlington, Massachusetts where he focused on investments involving combinations of disciplines leading to explosive growth potential. Some of his primary areas of expertise include Chemistry, Biochemistry, Biology, Semiconductors and Nanotechnology.

He is an active member of the steering committee of the Massachusetts Nanotechnology Initiative (MNI), executive member of the Massachusetts NanoExchange (MNE) and a member of the New England Nanomanufacturing Center for Enabling Tools (NENCET) Industrial Advisory Board and a member of the planning board for Nanotech 2006. He sits on the Board of Directors of Coretomic, of Burlington, Vermont and ENS Biopolymer, Inc of Cambridge, Massachusetts.

He is an active fundraiser, helping Nantero to raise more than \$36 M in three private equity rounds and government programs totaling in excess of \$15 M. He previously ran laboratory operations at Metaprobe LLC, where he also assisted in raising more than \$5 M in private equity financing. He was a Research Associate at Nycomed Salutar, Inc. where he secured several new patents involving novel X-ray contrast agents for medical imaging.

PRESENTERS *(continued)*

He received his PhD in Chemistry from Harvard University in 2000 and has published frequently in journals including Journal of the American Chemical Society, Inorganic Chemistry, and various IEEE publications, including one in which Nantero was named one of the top ten companies for the next ten years. He is frequently invited to speak at conferences and seminars such as COMDEX, NANOTECH 2005 and the annual National Nanotechnology Initiative (NNI) meeting on the topic of nanotechnology intellectual property creation and management to move Nanotechnology from the laboratory to fabrication.

He is co-author of over 80 patents and applications and has worked extensively on intellectual property creation and protection issues at both Nycomed and Metaprobe. He is a graduate of Reed College, with a degree in Biochemistry.

Ryan Bailey

Postdoctoral Scholar

*California Institute of Technology and
The Institute for Systems Biology*

Ryan C. Bailey received his B.S. in Chemistry from Eastern Illinois University in 1999. He then went on to do graduate work at Northwestern University in the Department of Chemistry, where he earned his Ph.D. in 2003 under the direction of Professor Joseph Hupp. His dissertation work, involving the development of a new class of chemical and biological sensors based upon chemoresponsive diffraction gratings, won him the Northwestern University Presidential Fellowship as well as a Graduate Fellowship from the Analytical Division of the American Chemical Society.

Dr. Bailey is currently a postdoctoral fellow under the joint supervision of Professor James Heath at the California Institute of Technology and Dr. Leroy Hood at the Institute for Systems Biology in Seattle, WA. His work focuses on the fabrication and integration of high-density biological sensors for personalized disease diagnostics. Later this year, Dr. Bailey will begin a faculty appointment in the Department of Chemistry at the University of Illinois at Urbana-Champaign.

MODERATOR

Lynn Foster

Emerging Technologies Director

Greenberg Traurig, LLP

and

Author

Nanotechnology: Science, Innovation & Opportunity

Prentice Hall PTR (December 21, 2005)

Lynn E. Foster is the Emerging Technologies Director of Greenberg Traurig, LLP, one of the largest law firms in the United States. In this position he advises technology companies on technology transfer, patent licensing, strategic partnerships and raising capital.

Prior to joining Greenberg Traurig Mr. Foster held technology industry positions in corporate, entrepreneurial and government settings, among them managing software development in the aerospace industry, heading a startup, and managing a seed stage commercialization grant program. He serves on Advisory Boards for the Nano Science and Technology Institute and the International Engineering Consortium as well as the Executive Committee of the Caltech Enterprise Forum. He authored the first *Nanotechnology Trade Study* and has directed eight Nanotechnology conferences and trade missions. He holds an MBA and a B.S. in Production and Operations Management.

PROGRAM PRODUCER

Lynn Foster

*Emerging Technologies Director
Greenberg Traurig, LLP*

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Author

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