

# SPEAKER BIOGRAPHIES



## GABRIELE NIEDERAUER, PH.D.

Since May 2007, Dr. Niederauer has been serving as Vice President of Research and Development at ENTrigue Surgical, Inc. At ENTrigue Surgical, Inc., she is directing biomaterials and instrument product design to develop novel, yet sensible solutions for the ENT operating room and office. Initial focus is on enhancing surgical access for increased functionality and precision. In addition, the ENTrigue Surgical team is developing a unique class of proven bioabsorbable and biologic implants designed to simplify surgical procedures and improve healing. Dr. Niederauer has more than 20 years of experience in the study, development and commercialization of biomaterials for orthopedic, dental and ENT tissue repair.

Previously, Dr. Niederauer was Vice President of Research and Development at C2M (Concept to Market) Medical, a consultant group to medical device companies and investors. From 1995 to 2006, Dr. Niederauer was with OsteoBiologics, Inc. (OBI), where she served as Director of Research and Development from 1999 until 2006. Her responsibilities included coordination of experimental, preclinical, and clinical studies, planning and submission of regulatory filings, and management of OBI's intellectual property portfolio. She also led development of 12 new products / product line extensions and worked with key opinion leading surgeons in arthroscopy and cartilage repair to gain exposure and assure constant flow of new product ideas. Dr. Niederauer was also engaged in new business expansion to leverage the OBI technologies into other medical specialties and assisted in raising \$20 million of venture capital (three rounds) to fund development, manufacture and commercialization of novel implants and instruments to fuel the company's growth. OBI was acquired by Smith&Nephew, Inc. in July 2006 for \$72.3 million, following 2005 revenues of \$3.3 million.

Dr. Niederauer completed a Post-Doctoral Fellowship at the Orthopaedic Biomechanics Laboratory at the University of Texas Health Science Center at San Antonio. Dr. Niederauer earned a Doctor of Philosophy degree in Biomedical Engineering from Iowa State University and a Bachelor of Science degree in Ceramic Engineering from Clemson University. Her research has led to an extensive list of publications, presentations, abstracts and honors. Dr. Niederauer is also a co-inventor of nine patents and seven applications for devices and methods used in orthopedic surgery, tissue engineering and ENT procedures.



## VICKI COLVIN, PH.D.

Dr. Vicki Colvin received her Bachelor's degree in chemistry and physics from Stanford University in 1988, and in 1994 obtained her Ph.D. in chemistry from the University of California, Berkeley, where she worked under the guidance of Dr. Paul Alivisatos. During her time at the University of California, Berkeley, Colvin was awarded the American Chemical Society's Victor K. LaMer Award for her work in colloid and surface chemistry. Colvin completed her postdoctoral work at AT&T Bell Labs.

In 1996, Colvin was recruited by Rice University to expand its nanotechnology program. Today, she serves as Professor of Chemistry at Rice University as well as Director of its Center for Biological and Environmental Nanotechnology (CBEN). CBEN is one of the nation's six Nanoscience and Engineering Centers funded by the National Science Foundation. One of CBEN's primary areas of interest is the application of nanotechnology to the environment.

Colvin has received numerous accolades for her teaching abilities, including Phi Beta Kappa's Teaching Prize for 1998-1999 and the Camille Dreyfus Teacher Scholar Award in 2002. In 2002, she was also named one of Discover Magazine's "Top 20 Scientists to Watch" and received an Alfred P. Sloan Fellowship.

Colvin is also a frequent contributor to Advanced Materials, Physical Review Letters and other peer-reviewed journals, and holds patents to four inventions.