



Co-hosts

Danielle Asquino graduated from Penn State with her B.S. in Biochemistry & Molecular Biology. She is currently a research chemist at Keystone Nano Inc., a local biomedical R&D start-up company. Her project aims to create nontoxic, biocompatible nanoparticles loaded with genetic therapeutics to combat difficult-to-treat cancers. She is excited to have recently filed for her first patent and hopes to see her work move into clinical trials in the near future.



Carly Carter obtained her B.S. in chemistry at Penn State. During her time at Penn State, she realized her passion for research while working in Dr. Mary Beth Williams lab studying the electrochemistry of large molecules with multi-valent metal centers. Dr. Carter subsequently received her PhD at the University of Colorado under the advisement of Dr. Dan Feldheim on Bio-Mediated Materials: Synthesis, Characterization and Applications. She was also a postdoctoral fellow in Dr. Feldheim's lab. In January 2014, she became the Research Leader at Keystone Nano, Inc. in State College, PA.



Julia Erdley is the Assistant to the Director for Strategic and Educational Outreach at Penn State, Applied Research Laboratory (ARL). Ms. Erdley received a B.S. in Electrical Engineering in 1990 from Penn State and her M.S. in Electrical Engineering in 1997. Ms. Erdley began her career as a member of the ARL research faculty and staff in 1990. From 2007 to 2011, she served as the Science Advisor to the Joint Improvised Explosive Device Defeat Organization (JIEDDO), advising the Director on matters relating to Science and Technology (S&T). In 2011, Ms. Erdley was awarded the Department of the Army Outstanding Civilian Service Medal for her service.



Katherine Erdley is the Director of Quality Assurance at Actuated Medical. She ensures design and manufacturing compliance to international standards. She earned her B.S. in Industrial Engineering from Penn State in 2009. She has a well-rounded background with experience in pharmaceutical and medical device industries, lean/six sigma, engineering, project management, and quality system management.



Kathleen A. Gehoski is the Lead Lithography and Imprint Engineer in the Nanofabrication Laboratory, within the Materials Research Institute at Penn State since 2008. She is also the NNIN Education and Outreach Coordinator. Prior to joining Penn State, Mrs. Gehoski was a Senior Lithography Engineer at Motorola Labs at Motorola Inc., Tempe, Arizona for 25 years. During her last five years there, she was instrumental in bringing on-line the first commercially available Imprint tool. She has authored or co-authored over 40 publications, and two issued US patents. She has an AAS in Electro-Mechanical Automation, a BS in Computer Information Systems, and an MBA.



Dawne Moffatt-Fairbanks is the Research Director of the Inorganic Process Innovation Group, Science & Technology Division at Corning Incorporated. She has been with Corning for 23 years, all in the S&T Division. Her previous roles include Glass Research Scientist, Glass Development Scientist, and Manager of the Advanced Materials Processing Laboratory. In addition to her technical and management contributions at Corning, Dr. Moffatt-Fairbanks has been extensively involved in people development and coaching programs; she currently facilitates an action learning team for managers within the Technology Community. Dr. Moffatt-Fairbanks has a B.S. in Ceramic Science & Engineering and a Ph.D. in Ceramic Science from the Pennsylvania State University.



Maureen Mulvihill is the president and C.E.O. of Actuated Medical. She cofounded the company in 2006 with a vision to integrate piezoelectric and other controlled actuation technologies into medical devices. She has been a Finalist for the Ernst & Young Entrepreneur Of The Year® Award for the Western Pennsylvania, and West Virginia region twice. She has also been recognized by PA Business Central as "One of the Top 100 Business People in Central Pennsylvania" four times. Maureen earned her Ph.D. from Penn State in Materials.



Kathleen O'Connell is the Director of Electronic Materials (EM) Exploratory Research. After getting her PhD from the University of Wisconsin, Madison, she was a postdoctoral researcher at the University of Dijon, France. She began her career in industry working for a division of Allied Chemical then became involved in a startup company, MediSense Inc., bringing the first disposable electrochemical glucose test strip to the market. In 1995, Dr. O'Connell joined Rohm and Haas Electronic Materials, which is now part of the Dow Advanced Materials division.



Claire Parasida is a research chemist at PPG Industries where she develops new applications of solid state analytical techniques to support fundamental research and development projects. She started work with PPG Industries after obtaining her PhD in Geochemistry from Penn State in 2012. In the past, she has also worked with the Axiall Corporation.



Patricia W. Stevens is an Associate Technical Fellow and Senior Manager for The Boeing Company where she directs technology strategy and internally funded research and development as the Chief Technology Integrator for Phantom Works Advanced Vertical Lift business group. Dr. Stevens earned a B.S. in mechanical engineering in 1988, M.S. in 1990, and a Ph.D. in 2001, all from Penn State. Patricia is a Penn State Outstanding Engineering Alumna, a lifetime member of the Penn State Alumni Association, an active member of the American Helicopter Society and the Society of Women Engineers, and is on the Board of Trustees of the American Helicopter Museum and Education Center.

