

Dr. Ling Zang is a professor at University of Utah affiliated with the Department of Materials science and Engineering, Department of Chemistry and Nano Institute of Utah. He is a Fellow of the National Academy of Inventors, and was previously an Alexander von Humboldt Fellow, NSF CAREER Award winner, and K. C. Wong Foundation Research Fellow. Dr. Zang earned his B.S. in physical chemistry from Tsinghua University and Ph.D. in chemistry from the Chinese Academy of Sciences. His current research focuses on nanoscale imaging and molecular probing, organic semiconductors and nanostructures, optoelectronic sensors and nanodevices, and photocatalysis and photovoltaics for conversion of solar energy, with the goal to achieve practical applications in the areas of public safety, renewable energy and environmental protection. Dr. Zang has been awarded various federal grants (from NSF, DHS, DOE/ARPA-E, NASA, etc.) to support his broad range of research in nanoscience and nanotechnology. Beyond the regular faculty duty on campus, Dr. Zang also remains active in organizing and chairing the nanotechnology sessions of various national and international conferences, and reaching out to K-12 students and publics for education of nanotechnology and the impacts to society and industry. Dr. Zang has also been striving to foster the technology transfer and commercialization. In past decade, more than 25 IPs have been developed from Dr. Zang's lab and filed for patent application through the University of Utah Technology & Venture Commercialization office. He founded Vaporsens Inc., a University spinoff, in 2011 to transfer the patented nanofiber sensor technology into market products for quick trace vapor detection of explosives, narcotics and toxic chemicals.