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Talk Title: Conductive Polymer Nanostructures for Specific Recognition and Electrochemical Release of Circulating Tumor Cells

Dr. Cho finished her postdoc with Dr. Richard Borgens at Center for Paralysis Research in the School of Veterinary Medicine at Purdue University. Then, she worked as a Research Assistant Professor at Center for Paralysis Research & *Bioscience Department at Purdue University for 3 years. In 2012, she joined the New Experimental Therapeutics (NExT) Branch at National Cancer Center, South Korea and served as associated scientist.* Her research interest focuses on design, synthesis, and characterization of nano/micro particles, carbon nanotubes, conducting polymer thin film-type electrodes with an alternation in micro- and nano-structural features, and their application to medically useful models. The highly *interdisciplinary* research offers a broad perspective in chemistry, material, and biomedical engineering, and is ultimately aimed at correlating with basic and clinical sciences to improve existing approaches for the early detection and treatment of cancer.