

Dr. Shana Kelley is the Neena B. Schwartz Professor at Northwestern in the Departments of Chemistry, Biomedical Engineering, and Biochemistry & Molecular Genetics. The Kelley research group works in a variety of areas spanning biophysical/bioanalytical chemistry, chemical biology and nanotechnology, and has pioneered new methods for tracking molecular and cellular analytes with unprecedented sensitivity. Dr. Kelley's work has been recognized with the ACS Inorganic Nanoscience Award, the Pittsburgh Conference Achievement Award, the Steacie Prize, an Alfred P. Sloan Research Fellowship, a Camille Dreyfus Teacher-Scholar award, a NSF CAREER Award, a Dreyfus New Faculty Award, and she was also named a "Top 100 Innovator" by MIT's Technology Review. Kelley is also a Guggenheim Fellow, a Fellow of the Royal Society of Canada, the Canadian Academy of Health Sciences, and the American Institute of Biological and Medical Engineering. Her work is extensively cited and she has over 80 papers cited more than 80 times. Kelley is an inventor on over 50 patents issued worldwide. She is a founder of four molecular diagnostics companies, GeneOhm Sciences (acquired by Becton Dickinson in 2005), Xagenic Inc. (acquired by General Atomics in 2017), Cellular Analytics (founded in 2019) and Arma Biosciences (founded in 2021). Kelley serves as a Board Director for the Fight Against Cancer Innovation Trust (FACIT) and the Canadian Academy of Health Sciences. She is an Associate Editor for *ACS Sensors*, and an Editorial Advisory Board Member for the *Journal of the American Chemical Society*, *Nano Letters*, and *ACS Nano*.