

# Biography



## **Professor Chad A. Mirkin**

Director of the International Institute for Nanotechnology and the George B. Rathmann Professor of Chemistry, Chemical and Biological, Materials Science & Engineering and Medicine, Northwestern University.

Dr. Chad A. Mirkin is the Director of the International Institute for Nanotechnology and the George B. Rathmann Prof. of Chemistry, Chemical and Biological Engineering, Biomedical Engineering, Materials Science & Engineering, and Medicine at Northwestern University. He is a chemist and a world-renowned nanoscience expert, who is known for his discovery and development of spherical nucleic acids (SNAs) and SNA-based biodetection and therapeutic schemes, Dip-Pen Nanolithography (DPN) and related cantilever-free nanopatterning methodologies, On-Wire Lithography (OWL), and Co-Axial Lithography (COAL), and contributions to supramolecular chemistry and nanoparticle synthesis.

He is the author of over 730 manuscripts and over 1,100 patent applications worldwide (over 300 issued), and the founder of multiple companies, including AuraSense, Exicure, TERAprint, and CDJ Technologies.

Mirkin has been recognized with over 130 national and international awards, including the Wilhelm Exner Medal, the RUSNANOPRIZE, the Dan David Prize, and the inaugural Sackler Prize in Convergence Research. He was an eight-year Member of the President's Council of Advisors on Science & Technology (Obama Administration), and one of very few scientists to be elected to all three US National Academies. He is also a Fellow of the American Academy of Arts and Sciences, the American Chemical Society, and the National Academy of Inventors, among others.

Mirkin has served on the Editorial Advisory Boards of over 20 scholarly journals, including JACS, Angew. Chem., and Adv. Mater.; at present, he is an Associate Editor of JACS. He is the founding editor of the journal Small, and he has co-edited multiple bestselling books.

Mirkin holds a B.S. degree from Dickinson College (1986) and a Ph.D. degree from the Penn. State Univ. (1989). He was an NSF Postdoctoral Fellow at the Massachusetts Institute of Technology prior to becoming a professor at Northwestern University in 1991.