

Dr. Huan-Cheng Chang received his B.S. degree in Agricultural Chemistry from National Taiwan University in 1981 and his Ph.D. degree in Physical Chemistry from Indiana University at Bloomington in 1990. After a postdoctoral training at Harvard University, he joined the Institute of Atomic and Molecular Sciences (IAMS) of Academia Sinica in 1994 and was promoted to a Research Fellow in 2000. He is now a Distinguished Research Fellow of IAMS and serves as the Vice Executive Secretary of Central Academic Advisory Committee, Academia Sinica. His research interests are focused on the development of new methods, tools, and technologies based on physical chemistry and applying them to solve problems of biological and medicinal significance. He pioneered the development of nanodiamond-based optical bioimaging in 2005 and mass production of nanodiamonds containing nitrogen-vacancy centers in 2008. His current research activities are devoted to the development and application of surface-functionalized fluorescent nanodiamonds as diagnostic, imaging, and therapeutic devices.