



## Huan-Cheng Chang

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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. 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. 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 fluorescent nanodiamonds (FNDs) for biological applications in 2005, and the nanomaterials have now found practical applications in various areas of life sciences. Dr. Chang has published more than 100 papers on nanodiamonds and related topics, ranging from infrared spectroscopy, astrochemistry, proteomics, bioimaging, quantum sensing, to *in vitro* diagnostics. In 2019, he published a monograph entitled *Fluorescent Nanodiamonds*, which serves as the most comprehensive reference of this study in the field. His current research activities are devoted to the development and applications of surface-functionalized FNDs as diagnostic, imaging, and therapeutic devices.