

**Professor Kenneth LO Kam-wing**  
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## Biography

Professor Kenneth Lo Kam-wing, Professor in the Department of Biology and Chemistry at City University of Hong Kong (CityU), has been carrying out research in the utilisation of luminescent transition metal complexes as biological probes and imaging reagents. His research has demonstrated that luminescent inorganic and organometallic transition metal complexes can be developed as a new generation of biological reagents for diagnostic and therapeutic applications.

In the past decade, his research team has designed and synthesised a wide range of strongly luminescent transition metal complexes containing reactive functional groups, which enable the complexes to be used as labels for various biological molecules including DNA, amino acids, peptides, and proteins. In the past few years, the team has also developed an interest in the cytotoxicity, cellular uptake, intracellular transport, and localisation properties of luminescent transition metal complexes. Almost all the complexes designed by the team show high membrane permeability and efficient cellular uptake by mammalian cells, indicating that the complexes can serve as novel intracellular sensors and bioimaging reagents.



Professor Lo obtained his BSc and PhD degrees at the University of Hong Kong in 1993 and 1997, respectively. His PhD work centered on the design of luminescent transition metal complexes as molecular sensors, and the photophysical and photochemical properties of luminescent polynuclear coinage metal chalcogenides. From 1997 to 1999, he worked as a Croucher Foundation Postdoctoral Research Fellow at the Inorganic Chemistry Laboratory of the University of Oxford, where he carried out research work on genetic engineering and electrochemistry of cytochrome P450cam and putidaredoxin.

Professor Lo joined the Department of Biology and Chemistry of CityU as Assistant Professor in 1999. He became Associate Professor in 2003 and Professor in 2011. He was awarded an APA Prize for Young Scientist from The Asian and Oceanian Photochemistry Association in 2005, and a Distinguished Lectureship Award from the Chemical Society of Japan in 2011.