

Special Issue

Fluorescent Materials and Biological Subcellular Localization

Message from the Guest Editors

The application of fluorescent materials in biological system is rapidly growing. Different types of fluorescent materials, including organic small molecules, coordination compounds, polymers, inorganic nanoparticles (semiconductor quantum dots, carbon dots, MOF materials, nanoclusters), and hybrid nanoparticles have been used for bioimaging, monitoring biological species, and photodynamic therapy. However, these fluorescent materials were generally used to target specific tissues or cells. In recent years, fluorescent materials able to target subcellular structures/organelles or detect local properties of microenvironments have been rapidly developing. This Special Issue of the *International Journal of Molecular Sciences* aims to collect papers about the advances in fluorescent materials (fluorescent dyes or sensors) for subcellular localization or for detecting biophysical or physicochemical properties of subcellular structures/organelles or microenvironments.

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