

Research Interests

PARTICIPANTS' AREAS OF RESEARCH AND TECHNICAL WORK

*	Committee Member
**	Speaker

*Yasuteru Urano***, *The University of Tokyo*



My research interest is to develop novel small molecular-based photo-functional tools for biological researches, including fluorescence probes, photosensitizers, caged compounds etc. For the above goals, I have established some rational strategies for controlling fluorescence, photosensitizing ability, and caging reactions. Some of the goals of my research are to visualize important biological molecules in living cells by developing appropriate fluorescence probes, and to perturb cellular functions with high spatial and temporal resolutions by developing appropriate photosensitizing probes and caging probes. In vivo detection of tiny tumor by developing smart fluorescence probes is also my main research interest.