



第258回 OPERA研究交流セミナー

第249回 ISIT有機光エレクトロニクス研究特別室セミナー

第316回 未来化学創造センターセミナー



日時: 2025年3月24日(月) 15:00~

場所: ISI棟3階 セミナー室

“Functional Organic Nanomaterials Using Thermally Activated Delayed Fluorescence”

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Thermally activated delayed fluorescence (TADF) materials have gained interest for their tunable photophysical properties, long-lived emission, and metal free composition. When incorporated into water-dispersible nanoparticles, these features can be exploited to develop biocompatible phototheranostic materials. In this seminar, I will present work by the Hudson Laboratory at the University of British Columbia to develop functional organic nanomaterials for biological applications such as cellular imaging, photothermal therapy, and photodynamic therapy. The formation of various nanoparticle morphologies, such as polymer dots, aggregated organic dots and glassy organic dots will also be discussed.

主催:九州大学 最先端有機光エレクトロニクス研究センター
:財団法人九州先端科学技術研究所(ISIT)
共催:九州大学 未来化学創造センター