
The 146th iCeMS SEMINAR

Thu 14 November 2013
14:00-15:30

BODIPY and related boron complexes: versatile functional fluorescent dyes

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Venue: 2nd Floor Seminar Room (#A207)
iCeMS Main Building (#70), Kyoto University

Nowadays there is a renewed interest for research on fluorescent organic dyes propelled by the potential applications in plastic electronics (OLED, OPV) and biomedical sciences. In particular, the construction of fluorescent dyes around a tetrahedral boron(III) center, and the chemical modifications of these dyes offer a complete molecular toolbox to the researchers. Indeed, the development of new chemical methodologies around the BODIPY skeleton, leading to fluorescent molecules with peculiar properties will be discussed as well as their applications. New dyes based on boron(III) complexes species displaying similar coordination features will be introduced and their potential development in several disciplines outlined.

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