
The 123rd iCeMS SEMINAR

Fri 16 Nov 2012
16:00-17:30

SANDIs, sensors and single molecule spectroscopy

Lecturer: **Dr. Toby D M Bell**
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Monash University, Melbourne, Australia

Venue: 2nd Floor Seminar Room (#A207)
iCeMS Main Building (#71), Kyoto University

The first part of this talk will focus on a new, versatile and potentially very useful class of fluorescent molecules based on core-substituted naphthalene diimide (SANDIs). SANDI based molecular systems capable of proton sensing as well as acting as polarity probes will be presented. The behaviour as single molecules of a number of SANDI based molecular systems will also be discussed. In the second part, the lecturer will present some recent results on using a small peptide to rupture liposomes that have been rendered fluorescent through incorporation of a water soluble SANDI molecule.

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Hosted by: iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University

