

The 183rd iCeMS SEMINAR

CeMI Seminar Series 44

15 April 2015
10:00-11:00

Universal fluorescent probe platform for almost everything

Lecturer: **Young-Tae Chang, Ph.D.**
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Venue: 2nd Floor Seminar Room (#A207)
iCeMS Main Building (#77) Kyoto University

The conventional bioprobe design has been carried out by so-called hypothesis-driven approach. The basic assumption of hypothesis-driven approach is that the scientist “knows the target” in advance, and then design the recognition motif for it. An alternative approach is diversity-driven approach, in which a broad range of fluorescence molecules in a library format are constructed by combinatorial chemistry, as a tool box for unbiased screening. Using the Diversity Oriented Fluorescence Library Approach (DOFLA), Dr. Chang and his colleagues developed various colorful sensors for many different analyses and bioimaging probes from stem cells to neuronal cells. Dr. Chang will present these results as well as the whole animal imaging data obtained by near infrared probes.

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

