
The 168th iCeMS SEMINAR

Tue 20 May 2014
15:00-16:00

**Real-time, bottom-up reconstruction of
DNA repair pathways
at single-molecule resolution**

Lecturer: **Dr Terence Strick**
Research Director & Principle Investigator
French National Centre for Scientific Research (CNRS)

Venue: 2nd Floor Seminar Room(#A207)
iCeMS Main Building(#77), Kyoto University

We use correlative single-molecule nanomanipulation and fluorescence to study in real-time the assembly, activity, and disassembly of multicomponent DNA repair complexes carrying out complex, multistep reactions. We apply this approach to two canonical DNA repair pathways, obtaining information on key mechanistic features of these systems.

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

