
The 156th iCeMS SEMINAR

Fri 14 March 2014
15:00-17:00

Molecular Devices and Smart materials based on DNA assembly

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

Other than carrying code of life, in the past three decades, DNA has played an important role in weaving two-dimensional, and even three-dimensional, addressable nano-structures owing to its programmable sequences and precise recognition property. Furthermore, the reversible responsiveness of DNA secondary structures to environmental stimuli has enabled to facilitate responsive devices and materials, based on pure DNA or hybrid systems, which mainly covers molecular machines, smart surfaces, responsive nanopores and intelligent DNA hydrogels.

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