
The 197th iCeMS SEMINAR

Mon 28 Dec 2015
15:30-16:30

**Synthetic biology approach
to uncover structure and function
of the Mediator of transcription regulation**

Lecturer: **Dr Yuichiro Takagi**

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Venue: 2nd Floor Seminar Room
iCeMS Main Building, Kyoto University

Mediator is an essential regulator of eukaryotic transcription. It is a gigantic multi-protein complex composed of 21 subunits with a molecular mass exceeding 1 Mega daltons.

The structural complexity of Mediator has been a huge roadblock for structure-function studies on Mediator. We have developed a new technology, which enables us to reconstitute the 21-subunit full Mediator complex, opening new avenues to understand how Mediator functions during transcription, and why mutations disrupt its function, leading toward determining the transcription activation mechanisms by Mediator.

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