

# The 134<sup>th</sup> iCeMS SEMINAR

CeMI Seminar Series 35

**Thu 21 Mar 2013**  
**15:30-16:30**

## **Structural Modularity of Supramolecules in Targeted Vaccine Design**

Lecturer: **Prof. R. Holland Cheng**

Molecular and Cellular Biology  
University of California, Davis

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

Higher-order structural modularity provides the essential framework of subunits in the overall presentation of the consequent conformation of complex macromolecules. Here, the multivalence of an oral DNA vaccine will be exemplified as platform technology for targeted vaccine design. Similarly, the protein domains of an HIV Env immunogen will also be demonstrated, as its tertiary modular units can direct the complex quaternary organizations in defining metastable conformations of discrete functional states.

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

**Co-hosted by:** Center for Frontier Medicine, Global COE Program, Kyoto University

