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# The 185<sup>th</sup> iCeMS SEMINAR

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**Tue 30 Jun 2015**  
**15:00-17:00**

## Formation Mechanisms of Biological Materials

Lecturer:

**Dr Ingrid Weiss**

Leibniz Institute for New Materials (INM)  
Germany

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

In biology, we find some interesting case studies for advantageous combinations of soft matter and hard matter. The tissue interface of a mollusc shell is one such system, where the guidance of extracellular processes results in "non-living" morphogenesis of composite materials with remarkable properties. Transmembrane responsive mechanisms of enzymes with myosin motors and polymer synthesis activity are discussed.

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

