
The 47th iCeMS SEMINAR

**Thu 4 Mar 2010
16:00-18:00**

Quantitative Control of Cell Behaviors on Soft Surfaces with Tailored Mesoscopic Structures

1st Lecturer: **Dr. Hiroshi Yoshikawa**

Institute of Physical Chemistry, University of Heidelberg

2nd Lecturer: **Ms. Juliane Oswald**

Institute of Physical Chemistry, University of Heidelberg

Venue: 2nd floor Seminar Room (#A207)
Main Building iCeMS Complex 1, Kyoto University

The quantitative control and evaluation of cell behavior on soft surfaces with well-defined physical/biochemical properties attracts much attention in view of a fundamental interest in cell-cell and cell-extracellular matrix interactions. In this talk, we introduce the overview of our research on (1) the development of a new technological platform to quantitatively evaluate adhesion strength of cells on soft surfaces, and (2) the regulation of cell behavior on hydrogels with tunable mechanical properties and biofunctionalized membranes.

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

