
The 163rd iCeMS SEMINAR

Fri 4 April 2014
15:00-17:00

**Bio-functionalized 2D-surfaces and 3D-scaffolds
to study cell adhesion and axon guidance**

Lecturer: **Prof Dr Martin Bastmeyer**
Dean of the Faculty for Chemistry and Biosciences
Karlsruher Institute of Technology

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

Surface functionalization with biomolecules in a precise, patterned, and quantitative manner opens novel and fascinating strategies to study cellular responses to external stimuli. I will discuss three aspects of recent work from my laboratory:

1. Axon guidance in Eph-receptor/Ephrin patterns.
2. Directional cell migration in fibronectin gradients.
3. 3D cellular microenvironments with defined geometries, precise bio-functionalization, and adjustable flexibility.

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

