211th iCeMS Seminar

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4 pm–5 pm

Kyoto University KUIAS/iCeMS Main Building
2F Seminar Room

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Polymeric Material-Based Dynamic Cell Culture Platforms for Mechanobiology

Cells reside in a highly dynamic extracellular matrix microenvironment, where biochemical, physicochemical, mechano-structural cues are displayed in a spatiotemporal fashion. To recapitulate this complex microenvironment, dynamic culture platforms have emerged as powerful tool to probe and direct active changes in cell function. In this presentation, I briefly introduce our established 'shape memory' and 'fluidic' cell culture platforms for mechanobiology study.

More details are available at the iCeMS website:
www.icems.kyoto-u.ac.jp

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