



Biomedical Engineering Seminar Series

2nd Semester, Academic Year 2017

Date: January 10, 2018

Time: 1.30-2.30 PM

Room 6373, 3rd level, Building 3,
Department of Biomedical Engineering,
Faculty of Engineering; Mahidol University



Prof. Shigehiro Hashimoto

Doctor of Engineering & Doctor of Medicine,
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"Biological cell mechanics: with micro machining technology"

Cell culture technique has realized observation of cell behavior in vitro: migration, deformation, orientation, proliferation, and differentiation. Micro machining technique has realized control of micro morphology of the solid surface. The effect of the shear flow and the gravitational force on cell migration can be studied at the cell oriented by the surface micro morphology of scaffold. The accelerated orientation technique can be applied to make an engineered tissue for regenerative medicine.

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