

EGBE 693 Research Seminar for Biomedical Engineering II

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Date: Jan 8, 2013 Time: 10 a.m. – 11 a.m.

Department of Biomedical Engineering (Room 6373)

Mahidol University

“Engineering Microbe-host Interaction in Microscale In-vitro Assays”



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Abstract : Microfluidics is a growing field that has applications in areas from chemical sensing, physics, cell-biology, and clinical diagnostics. This seminar lecture is about features of fluids at a microscale that are enabling for creating arrayed high-throughput research platforms. We have leveraged these properties to studying the human immune system and interactions between microbes and the immune cells. These advances have lead to the discovery of immunosuppressive microbial metabolites and powerful techniques to discover novel bio-active compounds.

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