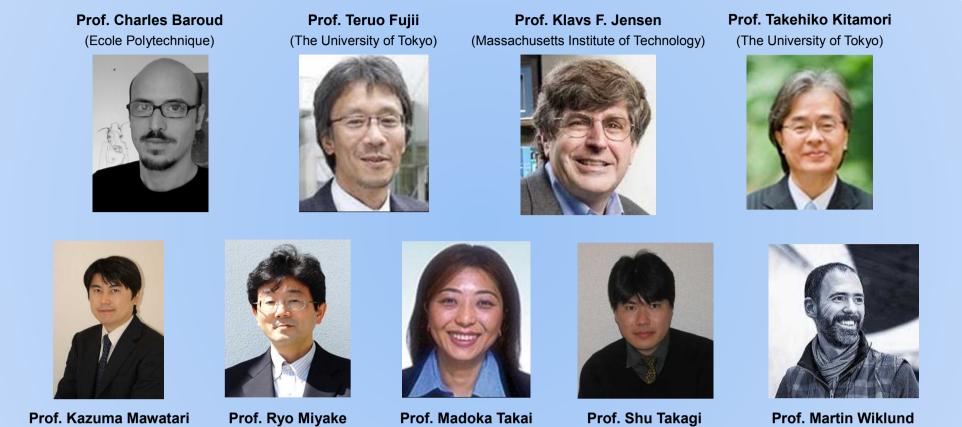
Micro/Nano Fluidics and Bio-Medical Applications - Deans' Forum Lecture Series -

This is a four-day intensive course taught by the leading scientists from the Deans' Forum member institutions. The course systematically combines the fundamentals of micro/nano fluidics with cutting-edge bio-medical applications.



(The University of Tokyo)

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(KTH Royal Institute of Technology)

COURSE SYLLABUS & SCHEDULE: (Engineering Building No. 8, Lecture Room 83)

Basic Course: September 7th-9th

Date	Time		Lecturer	
Sep. 7th	10:25-12:10	Fluidics	fluid equation	Shu Takagi (UTokyo)
	13:00-14:45	Fluidics	acoustofluidics	Martin Wiklund (KTH)
	14:55-16:40	Fluidics	wettability/droplet	Charles Baroud (Ecole Polytechnique)
Sep. 8th	10:25-12:10	Chemical Engineering	mixer, temperature control	Klavs Jensen (MIT)
	13:00-14:45	Chemical Engineering	transport phenomenon	Klavs Jensen (MIT)
	14:55-16:40	Chemical Engineering	electrophoresis / chromatography	Kazuma Mawatari (UTokyo)
Sep. 9th	10:25-12:10	Fabrication	materials / fabrication/bonding	Ryo Miyake (UTokyo)
	13:00-14:45	Fabrication	surface treatment	Madoka Takai (UTokyo)
	14:55-16:40	Analytical Chemistry	detection/ optical, electrochemical	Charles Baroud (Ecole Polytechnique)

Application: September 10th

Date	Time	Theme		Lecturer
Sep. 10th	10:25-12:10	Microscale Fluidics	biomedical	Martin Wiklund (KTH)
	13:00-14:45	Analytical Chemistry	biomedical / plant / chemical synthesis	Kazuma Mawatari (UTokyo)
	14:55-16:40	Physical Chemistry	micro-nano fluidics	Takehiko Kitamori (UTokyo)
	16:50-18:35	Others	tissue engineering	Teruo Fujii (UTokyo)

2 credits will be granted upon completion

REGISTRATION:

Period: July 15 – August 14, 2015 Place: Office of Graduate Students, 1st floor, Engineering Building 8