

Lab-on-Chip in Medicine Workshop

Day 1 (Mon 18 Dec)		Day 2 (Tue 19 Dec)	
8.45 am	Open event	Workshop at Cleanroom	
9.00-10.00 am	Keynote speaker (By ZOOM) : Girija Goyal, Ph.D Harvard University	9.00-10.00 am	2D & 3D Design
10.00-10.30 am	Asst.Prof.Dr. Tonghathai Phairatana, BME (Application of Microfluidics in Biosensor technology)	10.00-10.30 am	Mold fabrication (Practice) - Photolithography (Maskless Laser writing) - 3D printing
10.30-10.45 am	Coffee break	10.30-10.45 am	Coffee break
10.45-11.15 am	Asst.Prof.Dr. Pasarat Khongkow, BME (Application of Microfluidics in medical research)	10.45-12.00 am	Mold fabrication (Practice) - Photolithography (Maskless Laser writing) - 3D printing
11.15-11.45 am	Dr. Somyot Chirasatinsin, BME		
LUNCH		LUNCH	
Workshop		1.30-4.00 pm	PDMS replica using soft lithography
1.00 pm	Overview Principle of Microfluidic fabrication + Regulation ISO 13485		PDMS Chip Prototyping
	Master mold fabrication (Photolithography and 3D printing)		Leaking test and functional test Packaging
2.00-4.30 pm	Practice: Design thinking (Prototyping)	4.00 pm	Closing & Feedback