



Research Skills in Biomedical Sciences and Biotechnology (3000751)
Doctor of Philosophy Program in Biomedical Sciences and Biotechnology

Schedule :

Time and venue : Thursday 10.00 – 12.00 at the Meeting Room, Graduate Division,
 Faculty of Medicine or other arrangement by instructors

Week	Date	Topics	Instructor
		DNA technologies	
1	11 August, 2016	Introduction & DNA extraction (Room 724, Pattayapat building)	Sunchai
2	18 August, 2016	PCR & real-time PCR (Room 724, Pattayapat building)	Sunchai
3	25 August, 2016	Direct Sequencing v.s. Pyrosequencing (Meeting Room, 9th Fl., Sor Kor Bldg.)	Chupong
4	1 September, 2016	Next generation sequencing II (Meeting Room, 9th Fl., Sor Kor Bldg.)	Chalurmporn
		Transcriptomics and arrays	
5	8 September, 2016	Analysis of microRNA (miRNAs) (Room 724, Pattayapat building)	Sunchai
6	15 September, 2016	Epigenetics and molecular analysis (Meeting room, 14 th building)	Narisorn
		Protein analysis and Proteomics	
7	22 September, 2016	Protein separation and purification (Room 218, 2 nd Floor, Pattayapat building)	Alain
		Microscopic techniques	
8	29 September, 2016	Cell lines culture (Room 218, 2 nd Floor, Pattayapat building)	Alain
9	6 October, 2016	Light microscope (Room 218, 2 nd Floor, Pattayapat building)	Sittiporn

10	13 October, 2016	Fluorescent microscope (Room 1109, Pattayapat building)	Thananya
11	20 October, 2016	Electron microscope (Room 110, Aor Por Ror building)	Supang
		Cell culture and Stem cells	
12	27 October, 2016	Hematopoiesis and signal transduction (Room 218, 2 nd Floor, Pattayapat building)	Ponlapat
13	3 November, 2016	Stem cells culture (Room 218, 2 nd Floor, Pattayapat building)	Sutheera
14	10 November, 2016	System Biology (Room 218, 2 nd Floor, Pattayapat building)	Trairak
15	17 November, 2016	Proteomics and Bioinformatics (Room 218, 2 nd floor, Pattayapat building)	Trairak