

Schedule for 2310523
 GENOMICS AND PROTEOMICS (2 credit)
 second semester (2020)

Time: TU 10.00 - 12.00		Co-ordinator: Anchalee		
Room: 519		Microsoft team name: "2310523 Genomics and Proteomics (2020)",		
		CODE: 6ngi6h7		
เรียน online				
Topic		Date	Learning method	Instructor
1. Genome Features (a review) 1.1 Morphology and classification 1.2 Genome size and shape 1.3 Gene content and organization	2	19 Jan	Live online class: MT	Anchalee
2. Genome Analysis 2.1 Physical mapping and sequencing of genome 2.2 The Human Genome Project	2	26 Jan	Live online class: MT	Anchalee
2.3 Sequencing project of model organisms 2.4 Comparative genomics	4	2, 9 Feb	Live online class: Micros	Anchalee
3. Analysis of transcriptome 3.1 Analysis of gene expression 3.2 Expressed sequence tags (ESTs) 3.3 Serial analysis of gene expression 3.4 Differential display 3.5 DNA microarray	6	16, 23 Feb, 2 Mar	Live online class: MT	Teerapong
Mid-term examination				
4. Proteomics and applications				
4.1 Proteomics				
· Introduction to proteomics	2	16 March	Live online class: MT	Kunlaya
· Expression Proteomics	4	23, 30 March	Live online class: MT	Kunlaya
· Structural Proteomics	4	20, 27 April	Live online class: MT	Kuakarun
· Interaction Proteomics	2	4 May	Live online class: MT	Kunlaya
4.2 Applications	2	นัดเพิ่ม	Live online class: MT	Kunlaya
Final examination				