

Schedule for 2310507

MOLECULAR BIOLOGY OF GENE (3 credits)

First semester (2023)

Time: WE 13.00 - 14.00 Room: 521 SCI10		Co-ordinator: Kunlaya	
FR 10.00 - 12.00 Room: 503 SCI10			
Topic	Hrs.	Date	Instructor
1. Genome structures and comparative genomics	6	9, 11,16, 18 Aug	Anchalee
2. Mutability and repair of DNA	5	23, 25, 30 Aug	Anchalee
3. Regulation of gene expression in prokaryotes	3	1, 6 Sep	Vorrapon
4. Regulation of gene expression in eukaryotes	3	8, 13 Sep	Vorrapon
	3	15, 20 Sep	Vorrapon
Mid-term examination: สอบ 25 - 29 Sep 2023 [วันที่ 27 ก.ย. 2566 เวลา 8:30-11:30 น.]			
5. Cell cycle and programmed cell death	3	4, 6 Oct	Pattana
6. Abnormalities resulting from gene alterations 6.1 Inborn errors of metabolism 6.2 Cancer: oncogenes and tumor suppressor genes	4	11, 18, 20 Oct	Pattana
7. Application of gene technology 7.1 Recombinant DNA technology 7.2 GMOs 7.3 Stem cells 7.4 Gene therapy 7.5 Recombinant vaccines	8	25, 27 Oct 1, 3, 8, 10 (1h) Nov	Manchumas
7.6 Functional genomics	6	10(1h), 15, 17, 22, 24 Nov	Kunlaya
Final-term examination: สอบ 27 Nov- 12 Dec 2023; [วันที่ 29 พ.ย. 2566 เวลา 8:30-11:30 น.]			