

Schedule for 2310507			
MOLECULAR BIOLOGY OF GENE (3 credits)			
First semester (2024)			
Time: WE 13.00 - 14.00 Room: 521 SCI10		Co-ordinator: Vorrapon	
FR 10.00 - 12.00 Room: 503 SCI10			
Topic	Hrs.	Date	Instructor
1. Genome structures and comparative genomics	6	7, 9, 14, 16 Aug	Anchalee
2. Mutability and repair of DNA	5	21, 23, 28 Aug	Anchalee
3. Regulation of gene expression in prokaryotes	3	30 Aug, 4 Sep	Vorrapon
4. Regulation of gene expression in eukaryotes	3	6, 11 Sep	Vorrapon
	3	13, 18 Sep	Vorrapon
Mid-term examination: สอบ 23 - 27 Sep 2024; 25 ก.ย. 2567 เวลา 8:30-11:30 น.			
5. Cell cycle and programmed cell death	3	9 Oct (นัดนอกตาราง 2 ชม)	Pattana
6. Abnormalities resulting from gene alterations 6.1 Inborn errors of metabolism 6.2 Cancer: oncogenes and tumor suppressor genes	4	11, 16, 18 (1h) 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	18 (1h), 25, 30 Oct 1, 6, 8 (1h) Nov	Manchumas
7.6 Functional genomics	7	8(1h), 13, 15, 20, 22 Nov	Napol
Final-term examination: สอบ 25 Nov - 9 Dec 2024; 27 พ.ย. 2567 เวลา 8:30-11:30 น.			