

Schedule for 2310507

MOLECULAR BIOLOGY OF GENE (3 credits)

First semester (2022)

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	10, 17, 19, 24, 26 (1h) Aug	Anchalee
2. Mutability and repair of DNA	5	26 (1h) , 31 Aug, 2, 7 Sep	Anchalee
3. Regulation of gene expression in prokaryotes	3	9, 14 Sep	Vorrapon
4. Regulation of gene expression in eukaryotes	3	16, 21 Sep	Vorrapon
5. Cell cycle and programmed cell death	3	23, 28 Sep	Kunlaya
Mid-term examination: สอบ 3 - 7 Oct 2021 [วันที่ 05-10-2022 เวลา 08:30 - 11:30 น.]			
6. Abnormalities resulting from gene alterations 6.1 Inborn errors of metabolism 6.2 Cancer: oncogenes and tumor suppressor genes	3	12, 19, 21 (1h) Oct	Kunlaya
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	21 (1h), 26, 28 Oct 2, 4, 9 Nov	Manchumas
7.6 Functional genomics	6	16, 18, 23, 25 Nov	Kunlaya
Final examination: สอบ 28 Nov - 13 Dec 2022 [วันที่ 30-Nov-2022 เวลา 08:30 - 11:30 น.]			