

SCBI 433. Molecular Biology in Medicine. 3 (3-0-6)

Thursday 8.30 - 11.20 am Room: N516

Week	Topics		
	Lectures/Seminars	Hours	Instructor
9/6	Introduction to molecular biology in medicine	3	TJ
16/6	วันหยุด	-	-
23/6	Molecular genetics and disease discovery	3	TJ
30/6	Cancer I: Genetic basis of cancer, oncogenes and tumour suppressor genes	3	TJ
7/7	Cancer II: Cancer cell cycle and apoptosis	3	TJ
14/7	Cancer III: Tumour progression and metastasis	3	TJ
21/7	Cancer IV: Molecular and cellular chemotherapy	3	TJ
28/7	Midterm examination (40%)	3	TJ
4/8	Molecular methods for diagnosis and prognosis	3	TJ
11/8	Molecular approaches for therapeutics	3	TJ
18/8	Bacterial infection and pathogenesis	3	TJ
25/8	Viral infection and pathogenesis	3	SK
1/9	Diseases of the immune system	3	SK
8/9	Neurological disorders I: Parkinson's disease	3	RV
15/9	Neurological disorders II: Alzheimer's disease	3	NS
22/9	Molecular reproduction and development: Endometriosis	3	NS
29/9	Final examination (60%)	3	Staffs
Total		48	

Web resource: You can read articles/chapters in textbooks for free at NCBI Bookshelf

<http://www.ncbi.nlm.nih.gov/books>

- References:**
1. R. J. Trent (2005) Molecular Medicine. Third Edition. Elsevier Academic Press.
 2. Margaret Knowles and Peter Selby (2005) Introduction to the Cellular and Molecular Biology of Cancer. Fourth Edition. Oxford University Press.

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