

MOLECULAR AND CELLULAR BASIS OF BIOMEDICINE (MCB, SIID 501) Credit 3 (2 – 2 – 5)

COURSE SCHEDULE

June 23 – August 1, 2014

Faculty of Medicine Siriraj Hospital, Mahidol University

DATE	TIME		TOPIC	FACULTY STAFF
M Jun 23	9-10		Course Introduction	Yodying Dangprapai, Sorachai Srisuma
	10-12	L1	Biomolecules	Nednapis Tirawanchai
T Jun 24	9-11	L2	Cell structure and function : Eukaryote	Thawornchai Limjindaporn
	11-12	L3	Cell structure and function : Prokaryote	Nadthanan Pinchai
W Jun 25	9-11	L4	DNA	Chalermchai Mitrpant
Th Jun 26	9-12	SmGr1	Separation of biomolecules & Cell structural and functional studies (Room 1 – 6)	<u>Thawornchai Limjindaporn</u> , Benjaporn Panichareon Panapat Uawithya, Passara Lanlua, Sirinush Sricharoenvej, Sorachai Srisuma
	13-16	L5	Genome	Chanin Limwongse
F Jun 27	13-16	SmGr2	Gene technology (Room 1 – 6)	<u>Wichit Suthammarak</u> , Bhoom Suktitipat Chalemchai Mitrpant, Chayanon Peerapittayamongkol Nadthanan Pinchai, Navin Horthongkham Patarabutr Masaratana, Siwanon Jirawatanotai
M Jun 30	9-12	L6	RNA	Sarin Chimnaronk
	13-16	SmGr3*	Regulation of gene expression (Room 1 – 6)	<u>Sarin Chimnaronk</u> , Bhoom Suktitipat, Panapat Uawithya, Santipongse Chatchavalvanich, Siwanon Jirawatanotai, Sorachai Srisuma, Suwattanee Kooptiwut
T Jul 1	9-12	L7	Protein	Patcharee Lertrit
	13-16	SmGr4**	Protein studies (Room 1 – 6)	<u>Patcharee Lertrit</u> , Bhoom Suktitipat Chalemchai Mitrpant, Chayanon Peerapittayamongkol Iyarit Thaipisutikul, Wichit Suthammarak
W Jul 2	9-11	L8	Enzyme structure and function	Wichit Suthammarak
Th Jul 3	9-11	L9***	Energy metabolism	Wichit Suthammarak
	13-16	SmGr5	Common enzyme deficiency in human (Room 1 – 6)	<u>Wichit Suthammarak</u> , Bhoom Suktitipat Chalemchai Mitrpant, Chayanon Peerapittayamongkol Iyarit Thaipisutikul, Patarabutr Masaratana
F Jul 4	9-11	L10	Membrane biology	Yodying Dangprapai
M Jul 7	9-11	L11	Cell communication and cell signalings	Yodying Dangprapai
	13-16	SmGr6	Membrane transport analysis and receptor – drug interaction (Room 1 – 6)	<u>Yodying Dangprapai</u>

SmGr – Small group at A.G. Ellis Laboratory rooms, 4th Fl, Adulyadejvikrom Bldg

* Small group taking place over 3rd Fl, Adulyadejvikrom Bldg

** Small group taking place over 5th Fl, Srisavarindira Bldg

L – lecture at Sukhum Patarakhom Lecture Hall, 1st Fl, Microbiology Bldg;

*** lecture taking place over Term Bunnag Lecture Hall

DATE	TIME		TOPIC	FACULTY STAFF
W Jul 9	9-11	L12	Cell proliferation and cell differentiation	Siwanon Jirawatanotai
	13-15	Rev1	Revision and formative evaluation 1 (Room 1 – 6)	Faculty
T Jul 15	13-16		Exam 1 :- L1-9; SmGr 1-5 (Room 7 – 12)	
Th Jul 17	9-11	L13	Cell death	Adisak Wongkajornsilp
	13-16	SmGr7	Cell culture and stem cell technique (Room 1 – 6)	<u>Santipongse Chatchavalvanich</u> , Adisak Wongkajornsilp, Methichit Wattanapanitch Siwanon Jirawatanotai, Sompol Tapechum Suwattanee Kooptiwut
F Jul 18	9-10	L14	Basic immune response	Phornnop Naiyanetr
	10-11	L15	Host – pathogen interaction	Iyarit Thaipisutikul
	11-12	L16	Antigen – antibody interaction	Duangjit Kanistanon
	13-16	SmGr8	Basic immunological methods and Host – pathogen interaction (Room 1 – 6)	<u>Duangjit Kanistanon, Iyarit Thaipisutikul</u> Boonrat Tassaneetrithep, Kitipong Soontrapa Phornnop Naiyanetr, Wiwit Tantibhedhyangkul Yuttana Srinoulprasert
M Jul 28	9-11	L17	Cancer	Siwanon Jirawatanotai
	13-16	SmGr9	Cell viability assay and cancer research (Room 7 – 12)	<u>Siwanon Jirawatanotai</u> , Adisak Wongkajornsilp Iyarit Thaipisutikul, Nadthanan Pinchai Pinpat Tripatara, Uraiwan Panich
T Jul 29	9-11	Rev2	Revision and formative evaluation 2 (Room 1 – 6)	Faculty
F Aug 1	9-12		Exam 2 :- L10-17; SmGr 6-9 (Room 1 – 6)	

Session Leader

GRADING POLICY

Lecture and small group attendance	2%
Examination	} 60%
Formative evaluation	
Small group assignment, discussion and participation	38%

1. Passed at the score $\geq 60\%$
2. Failed for the attendance rate of all lecture, revision and small group $< 80\%$