

Molecular Medicine Program – Molecular Medicine Syllabus

Time: Tuesday 1:30 – 4:20 PM, Feb. 14 ~ June 6, 2017

Classroom: TIGP classroom, 8th floor, IBMS

Coordinator: Dr. Chen, Chien-Chang, IBMS (ccchen@ibms.sinica.edu.tw)

Molecular Medicine (3 credits) is a required course for students in Molecular Medicine program. The lecture course integrates genetics, genomics, and molecular biology approaches to elucidate the pathogenesis of human diseases, and is intended to encourage students to unravel novel disease mechanism for improving management of human diseases.

	Date	Subject	Lecturer	Contact
Immunity & Diseases	Feb. 14	The Immune System	Ivan Dzhagalov	YM 2826-7231 ivan.dzhagalov@ym.edu.tw
	Feb. 21	Mucosal System in the Body: Gut and Lung	Chang, Ya-Jen Shui, Jr-Wen	IBMS 2789-9050 yajchang@ibms.sinica.edu.tw IBMS 2652-3070 jshui@ibms.sinica.edu.tw
	Feb. 28	Holiday (no class)		
	Mar. 1 (Wed)	Infectious Diseases: Parasite and Virus Infections	Tai, Jung-Hsiang Lin, Yi-Ling	IBMS 2789-9163 taijh@gate.sinica.edu.tw IBMS; 2652-3902 yll@ibms.sinica.edu.tw
	Mar. 7	No class		
	Mar. 14	Tumor Immunology and Cancer Immunotherapy	Tao, Mi-Hua	IBMS 2652-3078 bmtao@ibms.sinica.edu.tw
Genome, Gene & Diseases	Mar. 21	Translational Bioinformatics	Yang, Ueng-Cheng	YM 2826-7128 yang@ym.edu.tw
	Mar. 28	Genetic and Molecular Epidemiology	Chen, Chien-Hsiun	IBMS 2789-9079 chchen@ibms.sinica.edu.tw
Cancer	Apr. 4	Holiday (no class)		
	Apr. 5 (Wed)	Cancer Genomics	Li, Ling-Hui	IBMS 2789-9078 lli@ibms.sinica.edu.tw
	Apr. 11	Drug, protein and nanoparticle therapy of cancer	Roffler, Steve R.	IBMS 2652-3079 sroff@ibms.sinica.edu.tw
Apr. 11-25		Midterm Take-home Examination		
Structure biology	Apr. 18	Structural Biology in Molecular Medicine	Chen, Chinpan	IBMS 2652-3035 bmchinp@ibms.sinica.edu.tw
Nervous system & Diseases	Apr. 25	Channelopathies: Ion Channel Diseases	Yang, Shi-Bing	IBMS 2652-3532 sbyang@ibms.sinica.edu.tw
	May 2	No class		
	May 9	Molecular Biology of Neurological Diseases	Lee, Eminy H.Y. Lin, Teng-Nan	IBMS 2789-9125 eminy@gate.sinica.edu.tw IBMS 2652-3936 bmltn@ibms.sinica.edu.tw

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Cardiovascular diseases	May 16	I: Molecular Biology of Cardiovascular Diseases (2 h) II: Molecular Biology of Cardiac Diseases (1 h)	I: Shyue, Song-Kun II: Chen, Chien-Chang	IBMS 2652-3962 skshyue@ibms.sinica.edu.tw IBMS; 2652-3522 ccchen@ibms.sinica.edu.tw
	May 23	Mouse Development and Its Related Diseases	Yan, Yu-Ting	IBMS 2652-3941 yyan@ibms.sinica.edu.tw
Nano medicine	May 30	Holiday (no class)		
	June 6	Immunoengineering with Biomaterials and Nanoparticles	Hu, Che-Ming	IBMS 2652-3089 chu@ibms.sinica.edu.tw
June 6-16		Final Take-home Examination		