

TIGP-Molecular Medicine Program

Experimental Approaches in Molecular Medicine Syllabus

2017/8/21 version

Credits: 2 (Elective; lectured in English)

Time: Tuesday 1:30-3:20 PM

Classroom: 8F TIGP classroom, Institute of Biomedical Sciences, Academia Sinica

Coordinator: Dr. Jr-Wen Shui, IBMS

Evaluation: Both the midterm and final exam are take-home exams (50% each). 3 question sets have to be answered in the exam, question sets will be picked by draw lots.

	Date	Subject	Lecturer	Contact
Cell biology techniques	9/12	Genetic Manipulation and Phenotyping of Mouse	Dr. Yu-Ting Yan 顏裕庭	IBMS; 2652-3941 yyan@ibms.sinica.edu.tw
	9/19	Cell culture and sorting techniques	Dr. Jr-Wen Shui 徐志文	IBMS; 2652-3070 jshui@ibms.sinica.edu.tw
	9/26	Neurobiology Techniques	Dr. Shi-Bing Yang 楊世斌	IBMS; 2652-3532 sbyang@ibms.sinica.edu.tw
	10/3	Recombinant virus techniques	Dr. Song-Kun Shyue 徐松錕	IBMS; 2652-3962 skshyue@ibms.sinica.edu.tw
	10/10	National Day (no class)		
	10/17	Microscopic techniques	Dr. Tzu-en Hua 華子恩	IBMS; 2789-9025 emcore@ibms.sinica.edu.tw
Molecular biology techniques	10/24	Experimental tools in proteins	Dr. Yet-Ran Chen 陳逸然	ABRC; 27872050 yetran@gate.sinica.edu.tw
	10/31	Experimental tools in nucleic acids	Dr. Mei-Yeh Lu 呂美擘	BRC; 2787-1198 ext 9 meiyehlu@gate.sinica.edu.tw
	11/7	Midterm Examination (no class)		
Computational biology	11/14	TBA	Dr. Dennis W Hwang 黃聖言	IBMS; 02-27899027 dwhwang@ibms.sinica.edu.tw
	11/21	Genomic techniques	Dr. Yuh-Shan Jou 周玉山	IBMS; 2652-3521 jou@ibms.sinica.edu.tw
	11/28	Genetic epidemiology	Dr. Fann, Cathy S. -J 范盛娟	IBMS; 2652-3048 csjfann@ibms.sinica.edu.tw
Biotechnology and nanotechnology	12/5	Protein drug design	Dr. Steve Roffler	IBMS; 2652-3079 sroff@ibms.sinica.edu.tw
	12/12	Computational drug design	Dr. Jung-Hsin Lin 林榮信	RCAS; 2787-3143 jhlin@gate.sinica.edu.tw
	12/19	CRISPR and CAR-T technologies	Dr. Yun Mou 牟昀	IBMS; ymou@ibms.sinica.edu.tw
	12/26	Nanotechnology in gene delivery	Dr. Che-Ming (Jack) Hu 胡哲銘	IBMS; 2652-3089 chu@ibms.sinica.edu.tw
	1/2	Final Examination (no class)		