

TIGP-Molecular Medicine Program - Experimental Approaches in Molecular Medicine Syllabus

Credits: 2 (Elective; lectured in English)

Time: 1:30-3:20 PM, Tuesdays, Feb. 14 ~ April 25, 2023

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

Coordinator: Dr. Shu-Ping Wang, IBMS, Academia Sinica

Evaluation: Both the midterm and final exam are take-home exams (50% each).

Class	Date	Topic	Lecturer		Contact
1	2023/2/14	Cell and organoid culture	Dr. Yu-Ru Lee	李育儒	yrlee@ibms.sinica.edu.tw
			Dr. Jr-Wen Shui	徐志文	jshui@ibms.sinica.edu.tw
2	2023/2/21	Immune cell sorting	Dr. Ya-Jen Chang	張雅貞	yajchang@ibms.sinica.edu.tw
		Antibody engineering	Dr. Chia-Wei Li	李家偉	cwli@ibms.sinica.edu.tw
3	2023/3/7	Virus study	Dr. I-Hsuan (Jessica) Wang	王宜萱	ihwang@ibms.sinica.edu.tw
		Viral tools	Dr. Song-Kun Shyue	徐松鋋	skshyue@ibms.sinica.edu.tw
4	2023/3/14	Neurobiology techniques	Dr. Wan-Chen Lin	林宛蓁	wchlin@ibms.sinica.edu.tw
Midterm Exam (3/14 assign questions, 3/14-3/21 take home exam)					
5	22023/3/21	MRI	Dr. Dennis W Hwang	黃聖言	dwhwang@ibms.sinica.edu.tw
6	22023/3/28	Genomic techniques	Dr. Yuh-Shan Jou	周玉山	jou@ibms.sinica.edu.tw
7	2023/4/11	Genetic epidemiology	Dr. Yungling Leo Lee	李永凌	leolee@ibms.sinica.edu.tw
8	2023/4/18	CRISPR and CAR-T technologies	Dr. Yun Mou	牟昀	ymou@ibms.sinica.edu.tw
9	2023/4/25	Nanomedicine	Dr. Che-Ming (Jack) Hu	胡哲銘	chu@ibms.sinica.edu.tw
Final Exam (4/25 assign questions, 4/25-5/2 take home exam)					