

## TIGP-MM - Experimental Approaches in Molecular Medicine Syllabus

Credits: 2 (Elective; lectured in English)

Time: 1:30-3:20 PM, Tuesdays, Feb. 24~ May 19, 2026

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

Coordinator: Dr. Chia-Wei Li, IBMS, Academia Sinica

Evaluation: There will be a quiz after every class to review the material covered.

Class	Date	Topic	Lecturer		Contact
1	2026/2/24	Cell Culture and CRISPR Applications in Cancer Biology	Dr. Yu-Ru Lee	李育儒	yrlee@ibms.sinica.edu.tw
2	2026/3/10	Cell and organoid culture	Dr. Jr-Wen Shui	徐志文	jshui@ibms.sinica.edu.tw
3	2026/3/17	Immune cell sorting	Dr. Yang Cheng	鄭揚	ycheng@ibms.sinica.edu.tw
4	2026/3/24	High-dimensional Cytometry	Dr. Ying Han Chen	陳英翰	ychen@ibms.sinica.edu.tw
5	2026/3/31	MRI	Dr. Dennis W Hwang	黃聖言	dwhwang@ibms.sinica.edu.tw
6	2026/4/7	CAR-T technologies	Dr. Chia-Wei Li	李家偉	cwli@ibms.sinica.edu.tw
7	2026/4/14	Genetic epidemiology	Dr. Hung-Hsin Chen	陳弘昕	hungsinchen@ibms.sinica.edu.tw
8	2026/4/21	Neurobiology techniques	Dr. Wan-Chen Lin	林宛蓁	wchlin@ibms.sinica.edu.tw
9	2026/4/28	Omics Data Analysis	Dr. Yao-Ming Chang	張耀明	petitming@ibms.sinica.edu.tw
10	2026/5/5	Virus study	Dr. I-Hsuan (Jessica) Wang	王宜萱	ihwang@ibms.sinica.edu.tw
11	2026/5/12	Viral tools	Dr. Kevin Tsai	蔡松智	kevtsai@ibms.sinica.edu.tw
12	2026/5/19	Nanomedicine	Dr. Che-Ming (Jack) Hu	胡哲銘	chu@ibms.sinica.edu.tw