

Core approaches for current molecular biology research

Course credits: **2**

Time: **01:30-04:20** PM on Monday, Fall 2023

Place: 1F Auditorium, IMB, Academia Sinica

Organizers: Pei-Wen Hsiao (TIGP-MBAS), Nan-Shih Liao (TIGP-MCB), and **Ching-Lung Hsu, Chia-Wei Li, Shu-Ping Wang (TIGP-MM)**

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		Topics	Lecturers
1	Sep. 18 th	Microscopy in biomedical research	林書葦 Suewei Lin
2	Sep. 25 th	DNA level: epigenetics, chromatin structure and genome organization	高承福 Cheng-Fu Kao
3	Oct. 2 nd	Mouse model and nuclease-mediated genome editing	蔡青宴 Ching-Yen Tsai
	Oct. 9 th	National day (no class)	
4	Oct. 16 th	RNA level: from post-transcription to translation	蔡松智 Kevin Tsai
5	Oct. 23 rd	High throughput next generation sequencing	呂美曄 Mei-Yeh Lu
6	Oct. 30 th	Single cell technologies and analysis	陳世滄 Shih-Yu Chen
7	Nov. 6 th	Proteomics approaches for probing cellular mechanisms	陳逸然 Yet-Ran Chen
8	Nov. 13 th	Bioinformatics and algorithms	林信男 Hsin-Nan Lin
9	Nov. 20 th	Next generation sequencing data analysis	余承欣 Chen-Hsin Yu
10	Nov. 27 th	Biostatistics	賴恩語 June Lai