

Syllabus for Spring 2020, Institute of Biopharmaceutical Sciences

Course title : Biopharmaceutical Sciences

Date : Tuesdays

10:10 – 12:00

March 5th 2020 to June 16th 2020

Location:

1st floor BPS classroom,
Biomedical Building

Contact:

Dr. Chi-Ying Huang
2826-7000 ext 7904

Date	Topic	Hours	Instructor
03/05 (Thur.)	Metabolomics as the last OMICS; its potential and limitations in translational medicine	2	Dr. Ming-Shi Shiao
03/10	From prediabetes to T2DM and diabetic complications: what metabolomics can do	2	Dr. Ming-Shi Shiao
03/12 (Thur.)	Adoptive cell therapy and CAR-T	2	Dr. Jin-Hwang Liu
03/17	Translational Medicine: An Overview	2	Dr. Sherry Ku
3/19 (Thur.)	Ageing and Cancer	2	Dr. Tsui-Ting Ching
03/24	Companion diagnostic for diseases	2	Dr. Chung-Fan Lee
03/31	Challenges of a botanical new drug before marketing	2	Dr. I-Ping Lin
04/07	New drug development from lead compound to the early clinical phase	2	Dr. Hubert Chan
04/14	Midterm and discussion	2	Dr. Chi-Ying Huang
04/21	Cancer Immunotherapy Past, current and future aspects	2	Dr. Jan-Mou Lee
04/28	The use of microbial nutraceuticals as alternative for pharmaceuticals	2	Jenny Li
05/05	Biosimilars	2	Dr. Kevin S Wang
05/12	Methodology for drug discovery: cell-based assay in pharmaceutical research	2	Dr. Ying-Ta Wu
05/19	Neurological diseases and pharmaceutical development strategy	2	Dr. Young-Ji Shiao
05/26	Drug discovery via SAR	2	Dr. Wen-Jin Yang
06/02	Tumor initiating cells and pharmaceutical development	2	Dr. Yeu Su

	strategy		
06/09	Tumor microenvironment and druggable targets	2	Dr. Yeu Su
06/16	Final examand discussion	2	Dr. Chi-Ying Huang
Evaluation: Close book exam and report.			