

## TIGP Bio 2020 Fall Syllabus

### Seminar

**Place:** Room 101, New Building of the Institute of Information Science, Academia Sinica.

**Time:** Thursday 14:00-15:20

**Chair:** Academia Sinica: Dr. Chun-Yen Lin (Informatics), Dr. Chien-Ling Lin (Biology), Dr. Wei-Chung Liu (Statistic)

**Remarks:** Attend any 2 none-BP Seminars (either on campus or off campus is fine) and submit a report for each seminar to advisor/lab professor (Format: 1 page A4, 12pts font, single space) and send the report to BP office after grading is completed by the professor by the end of the semester. Please download the report form from BP web-page

**Grades:** attendance 100%.

For the most up-to-date syllabus, please visit <https://tigppb.iis.sinica.edu.tw/tigppbio/index.html>

Week	Date	Topics/Brief Description	Speaker / Host
1	2020/09/17	Billiard Ball Therapy - Toward a Rational Repurposing of FDA Drugs that Target Multiple Sites in a Disease-Relevant Protein	Dr. Lee-Wei Yang Host: Chayanika Goswami
2	2020/09/24	The Roles of Endogenous Ligand for Aryl Hydrocarbon Receptor in Neural Development and Tumorigenesis of Neuroblastoma	Dr. Hsin-Yu Lee Host: Yueh-Hua Tu
3	2020/10/01	Mid-Autumn Festival (No class)	----
4	2020/10/08	A Simple Approach for Quantifying Node Importance in Signed and Directed Networks	Dr. Wei-Chung Liu Host: Yu-Hsin Chen, changed to Jen-Hung Wang
5	2020/10/15	Noises and Dynamics in Cells: Mathematical Modeling in Systems Biology	Dr. Chao-Ping Hsu Host: Yu-Hsiang Chen
6	2020/10/22	AI in Drug Discovery	Dr. Y. Jane Tseng Host: Yu-Ching Hsu
7	2020/10/29	Viral Protease Drug Discovery using Pharmacophore Anchors	Dr. Nikhil Pathak Host: Jen-Hung Wang
8	2020/11/05	Review Week (No class)	----
9	2020/11/12	Midterm Week (No class)	----
10	2020/11/19	Beetle-Inspired Technology for Drug Screening and Healable Electronics	Dr. Ching-Te Kuo Host: Hsin-Han Lee
11	2020/11/26	Toward Variant Peptide Identification in Proteogenomic Analysis	Dr. Ting-Yi Sung Host: Jia-Ying Su
12	2020/12/03	Epigenetic marks on Paralogous Genes Indicate Underappreciated Universality of Active Histone Codes utilized by Metazoans	Dr. Ben Yang Liao Host: Samarth Gupta, Changed to Po-Yuan Chen
13	2020/12/10	Chasing Coral Bacteria	Dr. Sen-Lin Tang Host: Erickson Erigio Fajiculary
14	2020/12/17	Comparative transcriptomics of parasitic nematodes	<b>Dr. Isheng Jason Tsai</b> (Changed from Dr. Wen-Hsiung Li) Host: Yu-Chun Huang

15	2020/12/24	Review Week (No class)	----
16	2020/12/31	Final Exam (No class)	----