

## TIGP Bio 2020 Fall Syllabus

### Student Presentation

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

**Time:** Thursday, 15:30-17:00

**Chair:** Dr. Chuan-Hsiung Chang, Dr. Chen-Ching Lin

\*Effective from 2014 Fall semester, all TIGP-BP students are required to present once a semester in seminar.

\*Students are required to submit the topics by **Sep 3, 2020** (First Year Students: The paper will be assigned by your lab professor)

\*The following schedule is confirmed and will not be changed. Please contact Dr. Chuan-Hsiung Chang if you do have a difficulty on the assigned date.

\*The presenter shall introduce the host and attended professors in the beginning of each seminar.

**\*Seminar presentation guidelines for PhD program students\_2020**

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

Week	Date	Topic	Student
1	2020/09/17	Integrating Microarray-Based Spatial Transcriptomics and Single-Cell RNA-Seq Reveals Tissue Architecture in Pancreatic Ductal Adenocarcinomas <a href="https://www.nature.com/articles/s41587-019-0392-8">https://www.nature.com/articles/s41587-019-0392-8</a>	Yueh-Hua Tu 杜岳華
2	2020/09/24	Cancelled	Samarth Gupta 山瑪斯
3	2020/10/01	Mid-Autumn Festival (No class)	----
4	2020/10/08	Integrative Pathway Enrichment Analysis of Multivariate Omics Data <a href="https://www.nature.com/articles/s41467-019-13983-9">https://www.nature.com/articles/s41467-019-13983-9</a>	Yu-Ching Hsu 徐于晴
5	2020/10/15	Evolutionary Dynamics of Neoantigens in Growing Tumors <a href="https://www.nature.com/articles/s41588-020-0687-1">https://www.nature.com/articles/s41588-020-0687-1</a>	Po-Yuan Chen 陳柏元
6	2020/10/22	Attention Guided Capsule Networks for Chemical-Protein Interaction Extraction <a href="http://www.shorturl.at/gkqxl">www.shorturl.at/gkqxl</a>	Chung-En Ni 倪崇恩
7	2020/10/29	Interspecies Microbial Fusion and Large-Scale Exchange of Cytoplasmic Proteins and RNA in a Syntrophic Clostridium Coculture <a href="https://mbio.asm.org/content/11/5/e02030-20">https://mbio.asm.org/content/11/5/e02030-20</a>	David Nicola Streuli 施大衛
8	2020/11/05	Review Week (No class)	----
9	2020/11/12	Midterm Week (No class)	----
10	2020/11/19	Quantification of Translation Uncovers the Functions of the Alternative Transcriptome <a href="https://doi.org/10.1038/s41594-020-0450-4">https://doi.org/10.1038/s41594-020-0450-4</a>	Jia-Ying Su 蘇家瑩
11	2020/11/26	Natural Variation in DNA Methylation Homeostasis and the Emergence of Epialleles <a href="https://www.pnas.org/content/117/9/4874">https://www.pnas.org/content/117/9/4874</a>	Yu-Chun Huang 黃郁琿

12	2020/12/03	A Yeast Living Ancestor Reveals the Origin of Genomic Introgressions <a href="https://www.nature.com/articles/s41586-020-2889-1">https://www.nature.com/articles/s41586-020-2889-1</a>	Hsin-Han Lee 李昕翰
13	2020/12/10	Landscape and Function of Multiple Mutations within Individual Oncogenes <a href="https://www.nature.com/articles/s41586-020-2175-2">https://www.nature.com/articles/s41586-020-2175-2</a>	Yi-Chen Yeh 葉奕成
14	2020/12/17	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries <a href="https://gut.bmj.com/content/69/7/1218">https://gut.bmj.com/content/69/7/1218</a>	Shu-Chuan Chen 陳淑娟
15	2020/12/24	Review Week (No class)	----
16	2020/12/31	Final Exam (No class)	----

<https://www.sciencedirect.com/science/article/abs/pii/S1532046420300204?via%3Dihub>