

## TIGP Bio 2024 Spring Syllabus Seminar

For the latest syllabus, please visit the BP website: <https://idv.sinica.edu.tw/tigpbio/>

**Announcement:** <https://www.stat.sinica.edu.tw/cht/index.php?>

**Place:** Auditorium, B1F, Institute of Statistical Science, Academia Sinica.

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





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





**Remarks (due on June 13th):**

**Step 1** Attend any 2 non-BP Seminars—either on campus or off campus is acceptable—and send 2 seminar reports in the specified format (1-page A4, 12pts font, single-spaced) titled “**TIGP-BP Seminar Student Report** ([click to download](#))” to your advisor/lab professor. The 2 chosen non-BP seminars should be conducted in English and attended within the current semester (i.e. February 19th to June 13th).

**Step 2** Once your reports have been graded and signed by the advisor/lab professor, kindly submit them to the TIGP-BIO office ([tigpbio@gate.sinica.edu.tw](mailto:tigpbio@gate.sinica.edu.tw)) before the deadline of June 13th, 2024.

**Grades:** Attendance 100% (2 non-BP seminar reports included)

Week	Date	Topics/Brief Description	Speaker's Affiliation	Speaker	Abstract	Student Host
1	2024/2/22 <a href="#">@Webex Only</a>	Plasma-Based Cancer Detection: A Machine Learning Enabled Multiomics Approach	Electrical Engineering Department, National Taiwan University	<a href="#">Dr. Tzu-Yu (Joyce) Liu</a>		Ping-Yun Ou (1)
2	<span style="color: red;">2024/2/26 (Mon) 10:00-11:20 @R308</span>	Adapting to Adaptive: Evolutionary Insights into Biological Networks and Stress Readiness in Land Plants	Institute of Plant and Microbial Biology, Academia Sinica	<a href="#">Dr. Ting-Ying Wu</a>		Daniel Garcia-Ruiz (1)
3	2024/3/7 Rescheduled to 3/11	Rescheduled to 3/11	--	--	--	--
4	<span style="color: red;">2024/3/11(Mon) 14:00-15:20 @Webex Only</span>	AI in Drug Discovery	Graduate Institute of Biomedical Engineering and Bioinformatics, National Taiwan University	<a href="#">Dr. Yufeng Jane Tseng</a>		Cai-Sian Liao (1)
4	2024/3/14	Viral epitranscriptomics: reverse transcribing viruses utilizing RNA methylations for efficient replication	Institute of Biomedical Sciences, Academia Sinica	<a href="#">Dr. Kevin Tsai</a>		Yu-Ching Hsu (1)

5	2024/3/21 <b>Cancelled</b>	Please refer to the remark (no class)	Department of Biomechatronics Engineering, National Taiwan University	Dr. Chien-Yu Chen	--	Ping-Yun Ou (2)
6	2024/3/28	Link prediction via exploring common neighborhoods	Institute of Statistical Science, Academia Sinica	<a href="#">Dr. Tso-Jung Yen</a>		Tzu-Hsiang Lin (1)
7	2024/4/4	National Holiday (no class)	--	--	--	--
8	2024/4/11	Midterm Exam Week (no class)	--	--	--	--
9	2024/4/18	A flexible NoSQL database for agriculture field trial using a cloud server	Department of Agronomy, National Taiwan University	<a href="#">Prof. Steven Hung-Hsi Wu</a>		Daniel Garcia-Ruiz (2)
10	2024/4/25 <b>Cancelled</b>	Please refer to the remark (no class)	Institute of Statistical Science, Academia Sinica	Dr. Grace S. Shieh	--	Cai-Sian Liao (2)
11	2024/5/2	Understanding the genome-wide transcription cis-regulation in Drosophila using deep learning	Department of Biomedical Engineering, National Cheng Kung University	<a href="#">Dr. Tzu-Hsien Yang</a>		Tzu-Hsiang Lin (2)
12	2024/5/9 <a href="#">@Webex Only</a>	To Be Announced	German Cancer Research Center (DKFZ), Germany	<a href="#">Dr. Pei-Chi (Peggy) Wei</a>		Shang-Kok Ng
13	2024/5/16	Big Data & AI in Biomedical Research : A Perspective View from ITRI	Graduate Institute of Biomedical Electronics and Bioinformatics, National Taiwan University	<a href="#">Dr. Eric Y. Chuang</a>		Rodrigo Espinoza Silva
14	2024/5/23	To Be Announced	Institute of Health Data Analytics and Statistics, National Taiwan University	<a href="#">Dr. Yen-Chen Anne Feng</a>		Yu-Ching Hsu (2)
15	2024/5/30	Review Week (no class)	--	--	--	--
16	2024/6/6	Final Exam Week (no class)	--	--	--	--