

**TIGP Bioinformatics Program**  
**Seminar**  
**Fall 2024 Syllabus**

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

**Seminar 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:**

- Attend 2 non-BP Seminars (on or off campus) conducted in English within the current semester. \*The deadline for the report is **December 26<sup>th</sup>, 2024**.
- Write 2 seminar reports (1-page A4, 12pt font, single-spaced) titled “TIGP-BP Seminar Student Report”(click to download).
- Send the reports to your advisor/lab professor for grading and signature.
- Submit the graded and signed reports (PDF file) to the BP office before December 26th.

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

Week	Date	Topics/Brief Description	Speaker's Affiliation	Speaker	Student Host
1	2024/9/5	Exponential growth dynamics and nonlinear reaction networks [ <a href="#">abstract</a> ]	Institute of Molecular Biology, Academia Sinica	<a href="#">Dr. Wei-Hsiang Lin</a>	Ping-Yun Ou (1)
2	2024/9/12	Biomedical research in AI era: from precision medicine to precision health [ <a href="#">abstract</a> ]	Institute of Biomedical Informatics, National Yang Ming Chiao Tung University	<a href="#">Prof. Chun-Ying Wu</a>	Ru-Yin Jian
3	2024/9/19	To Be Announced	Institute of Statistical Science, Academia Sinica	<a href="#">Dr. Wei-chung Liu</a>	Shang-Kok Ng (1)
4	2024/9/26	To Be Announced	Institute of Biomedical Sciences, Academia Sinica	<a href="#">Dr. Hung-Hsin Chen</a>	Cai-Sian Liao (1)
5	2024/10/3	To Be Announced	Department of Life Sciences and Institute of Genome Sciences, National Yang Ming Chiao Tung University	<a href="#">Prof. Wen-Ya Ko</a>	Hsin-Ying Chang (1)

6	2024/10/8 (Tues) 14:00-15:20	To Be Announced	Institute of Plant and Microbial Biology, Academia Sinica	<a href="#">Dr. Ting-Ying Wu</a>	Daniel Garcia-Ruiz (1)
6	2024/10/10	Holiday—Double Tenth Day (no class)	--	--	--
7	2024/10/17	Review Week (no class)	--	--	--
8	2024/10/24	Midterm Exam Week (no class)	--	--	--
9	2024/10/29 (Tues) 14:00-15:20	To Be Announced	Industrial Technology Research Institute	Dr. Kai-Cheng Hsu	Daniel Garcia-Ruiz (2)
9	2024/10/31	To Be Announced	Institute of Molecular Biology, Academia Sinica	<a href="#">Dr. Yu-Wei Wu</a>	Shang-Kok Ng (2)
10	2024/11/7	Rescheduled to 10/29	--	--	--
11	2024/11/12 (Tues) 14:00-15:20	To Be Announced	Department of Biomechanics Engineering, National Taiwan University	<a href="#">Prof. Chien-Yu Chen</a>	Ping-Yun Ou (2)
12	2024/11/21	To Be Announced	Institute of Biomedical Sciences, Academia Sinica	<a href="#">Dr. Shih-Yu Chen</a>	Apriandy Angdresey
13	2024/11/28	To Be Announced	Institute of Biomedical Sciences, Academia Sinica	<a href="#">Dr. Ching-Lung Hsu</a>	Hsin-Ying Chang (2)
14	2024/12/5	To Be Announced	Biodiversity Research Center, Academia Sinica	<a href="#">Dr. Wen-Hsiung Li</a>	Cai-Sian Liao (2)
15	2024/12/12	Review Week (no class)	--	--	--
16	2024/12/19	Final Exam Week (no class)	--	--	--