TIGP Bioinformatics Program pp
Student Presentation
Fall 2026 Syllabus & Guidelines

Latest syllabus: https://tigpbio.programs.sinica.edu.tw/

Place: Room 308, Institute of Statistical Science, Academia Sinica

Time: Thursday, 15:30-17:00

Chair: Dr. Hung-Hsin Chen (hunghsinchen@ibms.sinica.edu.tw)

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

*First Year Students: the paper should be assigned by your lab advisor.

*The following schedule is confirmed and will not be changed. Please contact Dr. Hung-Hsin Chen and the BP office if you do have difficulty with the assigned date.

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

Week	Date	Topic	Student	Evaluator *Student's thesis advisor/lab advisor.
1	2026/9/10	SMURF: soft-segmentation for single-cell reconstruction and topological analysis of spatial transcriptomic data	Ching-Ya Lin	Dr. Hsuan-Cheng Huang
2	2026/9/17	Decoding the diversity of killer immunoglobulin-like receptors by deep sequencing and a high-resolution imputation method	Daniel Nelson	Dr. Shu-Jui Hsu
3	2026/9/24		Ya-Chu Hsu	Dr. Hsiao-Chun Huang
4	2026/10/1		Michael Angelou Lar Nada	
5	2026/10/8		Vu Quy Phan	
6	2026/10/15		Ting-Yu Rao	
7	2026/10/22	Review Week (no class)	--	--
8	2026/10/29	Midterm Exam Week (no class)	--	--
9	2026/11/5		Thi Huong Giang Pham	Dr. Chun-Ying Wu

10	2026/11/12			
11	2026/11/19		Kalsoom Khan	
12	2026/11/26		Rashini Pramodi De Silva Migalahandi	
13	2026/12/3		Saptashwa Datta	Dr. Lee-Wei Yang
14	2026/12/10			
15	2026/12/17	Review Week (no class)	--	--
16	2026/12/24	Final Exam Week (no class)	--	--

< Seminar presentation guidelines on the following pages >

Seminar presentation guidelines for Ph.D. program students:

2026-07-24

This research seminar course is intended to provide students planning a research career in Bioinformatics with the opportunity to develop the skill of critically reading and evaluating research papers. The course consists of a weekly timetabled session in which students will read, present and discuss research papers published on high impact journals. A fixed threshold of impact factors is not imposed. Use your common sense instead.

Guidelines:

1. **Research article**: Each week, students will choose RESEARCH papers to be presented.

a. The paper (+ supplements) pdf file should be emailed to (1) your thesis advisor/lab advisor, (2) Dr. Hung-Hsin Chen (hunghsinchen@ibms.sinica.edu.tw) (course chair) (3) tigpbio@gate.sinica.edu.tw (TIGP-Bioinformatics Program office), (4) all students in student presentation class, and also (5) other participating professors at least one week before your seminar presentation takes place. Any delay will result in 10 points deducted from your final grade. Please also send the slides to everyone 2 days before the report. Because some modifications may be made right before the report, it is okay if the slides are not the final version.

1. **Article selection:** You are required to select a recent RESEARCH article that was published after September 2020. (Review articles are NOT acceptable.)

2. **Presentations**: Everyone in the class will present one paper. You should plan to talk for around 40 minutes. Starting from this you should initiate a discussion of the paper (so it is a good idea to conclude your slide presentation with a selection of points to consider and discuss). We should plan to have time for a lively discussion of each paper; your job in giving a presentation is to initiate this discussion. Make sure to
   a. Draw **valid** conclusions from results of your presented paper.
   b. Summarize evidence for each conclusion. (How does the paper support its conclusions?)
   c. Compare the results with other similar experiments published previously, if appropriate.

   - Please refrain from presenting an article written by your supervisor or your friends/classmates. You need to increase the exposure to the breadth and depth of bioinformatics research.
   - Students are encouraged to prepare a few questions for group discussion at the end of the presentation. Students are not expected to simply sit in the class.
   - Please make a rehearsed presentation if you don't know how long your presentation is going to last. An over-length presentation doesn't translate to a good one.

3. **Language of presentation**: You are required to present your research article in English.

Evaluation Criteria:

You will be evaluated by the following criteria:

1. Your attendance (10%).
2. Your seminar presentation (90%).