

EMI for Advanced Biotechnology: an **E**ngaged, **M**otivated and **i**nteractive Class

高等生物技術的英語教學：主動參與的一堂互動課

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Procedures

Advanced Biotechnology is an **E**nglish-as-a-**M**edium-of-**I**nstruction course for graduate students interested in learning innovative biomedical technologies. The class is delivered by 3 cycles of 6-hour/3-week curriculum in a semester. Discussion of a recently published biotechnology paper on the 1st week and presentations on the 2nd and 3rd weeks are operated by:

Engaging students with **ODIR** procedures (the 1st week):

- ✓ **Orientation:** the instructor describes why the paper is selected.
- ✓ **Delivery:** students read and go over the abstract with the instructor.
- ✓ **Interaction:** students read figure legends, identify the new technologies.
- ✓ **Re-Cap:** the instructor summarizes the paper.

Motivating students (2nd and 3rd weeks):

- ✓ Each student presents different figures from the same paper.
- ✓ The instructor encourages group discussion.
- ✓ Ask questions and find answers together.

Pros & Cons

- Reading newly published papers with the instructor.
- Effective discussion for a small class.
- May be challenging for a large class.
- More effort may be needed for some students.

Student's feedback

"This course helps to motivate students to explore and understand the topic beyond..."

"The teacher/instructor is also great in communication. This is important, particularly for international students."

"...老師在必要得時候會再翻譯一次給我，也很樂意與學生一起討論，這樣的模式是很棒的..."



padlet from class of 2023

Effective Strategies

Interacting with students through **ATM**:

- ✓ **AI/digital enhancement:** Padlet (QR codes), slido and Jamboard on-site.
- ✓ **Translanguaging** for local students.
- ✓ Deliver information with **Multimodal** resources
- ✓ Timely feedback from/to students