

11220LSMM590201 書報討論(Seminar)

1. Time: Wednesday, 13:20 ~ 14:10, Classroom: LSII-213

2. Instructor:

➤ Mou-Chieh Kao (高茂傑) mckao@life.nthu.edu.tw LS-I 307 ext. 42472

3. Office hours: By appointment only

4. Lecture information web site: 清華大學 eeclass 數位學習平台
(<https://eeclass.nthu.edu.tw/>)

5. Course description:

- This is a course with a practical purpose, which is intended to give students an opportunity to practice their skills in scientific presentation and acquire new knowledge in the field of biological research. The format, layout of the presentation itself, and the speaker's clarity, organization and devotion will be specifically emphasized. The course will be conducted using seminar format given by students in the class.
- At least **one week before** the class, the speaker of the week should send the **abstract** (written by the speaker himself/herself after thoughtful reading. Please include both the **English and Chinese versions**) in a **“WORD” file** and the chosen paper in a **“PDF” file** to the instructor by E-mail. The information collected will be posted on the aforementioned E-learning system for students' reference.

6. Topic selection:

The topic chosen for presentation should be focused on **“Mitochondria”**. Any interesting scientific paper related to them (e.g., apoptosis, mitochondrial genetics, proteomics, the function and structure of the component proteins, electron transport chain, the oxidative phosphorylation system, fission and fusion, reactive oxygen species, aging, mitophagy, cancer, pathogen infection, mitochondria-related diseases/therapeutic invention and much more) will be welcome. If you are not quite sure what you have selected, please contact the instructor!

7. Journal selection:

The article chosen for presentation should be published in a well recognized, peer-reviewed journal **in the past 3 years (2021~ 2024)**. The list of the journals includes (but not limited to) Science, Nature, Cell, PNAS, JBC, Mitochondria and EMBO J etc. If you are not quite sure what you have selected, please contact the instructor!

8. Grading

- ◆ 50% evaluation given by the instructors
- ◆ 30% evaluation given by all the students in the class (an evaluation sheet which includes your comment will be given in each class)
- ◆ 20% participation (asking questions!)

- ◇ **2 points deduction** for being late in attending the class.
- ◇ **5 points deduction** for absence from class without notice in advance.
- ◇ After the seminar, the speaker of the week is welcome (but not necessary) to write a “story, Chinese or English” on this topic. This story will be posted on the E-learning system to share with other students in the class, and the author writing this story will be given extra bonus points!
- ◇ Students using **English** to present his/her seminar will be given extra bonus points!

9. 根據本校公布之佈的「大學教育場域 AI 協作、共學與素養培養指引」，本門課程採取禁止使用，以下為相關的監管機制：

- 修讀本門課程之學生應注意本門課不得繳交使用生成式人工智慧所產出的作業、報告或個人心得。若經查核發現，教師、學校或相關單位有權重新針對作業或報告重新評分或不予計分。
- 修讀本課程之學生於選課時視為同意以上倫理聲明。

9. Syllabus

Week	Date	Speaker	Host
1	2/21	Introduction	Kao
2	2/28	和平紀念日(放假一天)	
3	3/06	(No class) preparation	
4	3/13		Kao
5	3/20		Kao
6	3/27		Kao
7	4/03	校際活動週(停課一日)	
8	4/10		Kao
9	4/17		Kao
10	4/24		Kao
11	5/01		Kao
12	5/08		Kao
13	5/15		Kao
14	5/22		Kao
15	5/29		Kao
16	6/05		Kao