

114-2 老化研究特論

(Special Topics on Aging Research)

2026/2//10 修 by CWC

Class Time : Friday 10:10 am~12:00 pm

Classroom : 303D

Coordinator(s) : Dr. Chi-Wu Chiang 蔣輯武老師(分醫所) Tel: 3637、陳昌熙老師(生化所) Tel: 5548

Teaching assistant(助教): 繆宇宣 (分醫所) ext. 3591

Course Goals: 這門課程的目標，是期望將老化研究領域中的重要文獻背景做回顧，並探討最近的突破與發現。並希望藉由介紹老化研究領域的研究模式，讓學生能從單一細胞老化、到生物體的衰老及與老化相關疾病如癌症、神經退化疾病的產生的已知機制與模式能有廣泛的認知。



Class format: The class will include lectures and journal club in some of the topics. Each student is required to present a report assigned by the instructor.

Grading: The grade for this class will be given by evaluating participations (including attendance) in the class (10%) and performances in the class assignment (50%) and a final report (written) (40%)..

Week	Date	Topic	Lecturer
1	3/6	Introduction to aging	蔣輯武
2	3/13	The molecular genetics of aging	蔣輯武
3	3/20	From cell dividing to cell senescence	蔣輯武
4	3/27	Aging in model organisms I	蔣輯武
5	4/3	National Holiday(停課)	
6	4/10	Discussions on aging research (PBL)	蔣輯武
7	4/17	Aging in model organisms II	陳昌熙
8	4/24	Cell senescence, oncogene, and cancer	吳梨華
9	5/1	National Holiday(停課)	
10	5/8	The molecular pathogenesis of Alzheimer's disease in aging	郭余民
11	5/15	Mitochondria, oxidative stress, and aging	蔣輯武
12	5/22	Discussions on aging research (PBL)	陳昌熙
13	5/29	Molecular basis of neurodegeneration	朱俊憲
14	6/5	Drosophila as a model for human neurodegenerative disease	姜學誠
15	6/12	Reproductive aging	郭保麟
16	6/19	National Holiday(停課)	
17	6/26	The keys to longevity	蔣輯武