113 學年度 老化研究特論(Special Topics on Aging Research)

2025/1/17

本門課程的目標，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。

時　間：Friday　AM 10:10-12:00

地　點：醫學院 303D 教室

協調人：蔣輯武老師 (分醫所) Tel: 3637　陳昌熙老師 (生化所) Tel: 5548

課程連絡: 黃薇庭 杜語婕(分醫所) Tel:3591

週次 Week	進度說明 Progress Description	日期	教師
1	Introduction to aging	2/21	蔣輯武
2	National Holiday(停課)	2/28	
3	The molecular genetics of aging	3/7	蔣輯武
4	From cell dividing to cell senescence	3/14	蔣輯武
5	Aging in model organisms I	3/21	蔣輯武
6	Aging in model organisms II	3/28	陳昌熙
7	National Holiday(停課)	4/4	
8	Cell senescence, oncogene, and cancer	4/11	吳梨華
9	The molecular pathogenesis of Alzheimer’s disease in aging	4/18	郭余民
10	Mitochondria, oxidative stress, and aging	4/25	蔣輯武
11	Discussions on aging research (PBL1)	5/2	蔣輯武
12	Molecular basis of neurodegeneration	5/9	朱俊憲
13	Drosophila as a model for human neurodegenerative disease	5/16	姜學誠
14	Reproductive aging	5/23	郭保麟
15	National Holiday(停課)	5/30	
16	The keys to longevity	6/6	蔣輯武
17	Discussions on aging research (PBL2)	6/13	陳昌熙

Class format

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

~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%).