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

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。

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: 朱軍翰(分醫所) Tel:3591

週次 Week	進度說明 Progress Description	日期	教師
1	Introduction to aging	2/23	蔣輯武
2	The molecular genetics of aging	3/1	蔣輯武
3	From cell dividing to cell senescence	3/8	蔣輯武
4	Aging in model organisms I	3/15	蔣輯武
5	Aging in model organisms II	3/22	陳昌熙
6	Cell senescence, oncogene, and cancer	3/29	吳梨華
7	National Holiday(停課)	4/5	
8	The molecular pathogenesis of Alzheimer's disease in aging	4/12	郭余民
9	Mitochondria, oxidative stress, and aging	4/19	蔣輯武
10	Discussions on aging research (PBL1)	4/26	蔣輯武
11	Molecular basis of neurodegeneration	5/3	朱俊憲
12	Drosophila as a model for human neurodegenerative disease	5/10	姜學誠
13	Reproductive aging	5/17	郭保麟
14	Calorie restriction and aging	5/24	蔣輯武
15	Discussions on aging research (PBL2)	5/31	陳昌熙
16	The keys to longevity	6/7	蔣輯武
17	The final report	6/14	蔣輯武

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 (20%) and performances in the class assignment (40%) and a final report by oral presentation (40%).