

國立陽明大學 臨床醫學研究所 / 生化暨分子生物研究所 112 學年度第一學期 授課進度表

科目名稱：腫瘤轉移的分子機制

(科目代號：A5348) 學分數：2 選修

Molecular Mechanisms of Tumor Metastasis

時 間：

週五 8:00~9:50

地 點：

陽明校區圖資大樓四樓 R405

授課系級：

博士班及碩士(專)班

負責教師：楊慕華

聯絡電話：28267000 Ext 67911

課程大綱：本課程旨在介紹腫瘤轉移的分子機制和臨床意義。課程內容分為三大部分，核心課程為介紹癌症轉移之基本知識，研究精華為邀請國內知名癌症研究學者分享癌症轉移之最新進展，文獻閱讀為藉由最新癌症文獻之討論來了解腫瘤轉移的最新進展。

建議選擇以下領域指導教授的學生應該修讀：cancer biology / cell biology / epigenetics / molecular genetics / immunology/ stem cell biology

日 期	講 題	時 數	授課教師姓名
112-09-15	Core course (1): Pathology, molecular pathology and precision medicine in clinical oncology with emphasis on metastasis-positive diseases	2	周德盈
112-09-22	Core course (2): Overview of cancer hallmark, metastasis process and cancer cell migration	2	楊慕華
112-09-29	中秋節放假一天		
112-10-06	Core course (3): Epigenetic regulation in cancer	2	阮麗蓉
112-10-13	Core course (4): Epithelial-mesenchymal plasticity and cancer stemness	2	楊慕華
112-10-20	Core course (5): Tumor microenvironment and tumor immunology	2	楊慕華
112-10-27	Core course (6): gene editing in cancer research	1	曾才郁
	Core course (7): application of bioinformatics in cancer research	1	陳建鋒
112-11-03	Core course (8): targeted therapy in metastatic cancer	2	顏厥全
112-11-10	Research Highlight (1): Niche regulation in stemness homeostasis and cancer reprogramming	2	黃彥華
112-11-17	Research Highlight (2): Drug repurposing for personalized medicine	2	黃奇英
112-11-24	Research Highlight (3): Mechanisms of hepatocarcinogenesis and disease progression	2	吳肇卿
112-12-01	Research Highlight (4): The impact of metabolic reprogramming on pancreatic cancer metastasis	2	沈家寧
112-12-08	Research Highlight (5): The circadian control in cancer	2	黃雯華
112-12-15	Research highlight (6): Deciphering and targeting tumor-associated macrophages for intercepting cancer progression	2	楊慕華
112-12-22	Journal Reading I	2	楊慕華
112-12-29	Journal Reading II	2	楊慕華
	彈性補充教學 (提供線上錄影檔給同學)	2	楊慕華
	Research Highlight (7): distinct movement modes in different types of cancers		

教科書名：”The Biology of Cancer” published by Garland Publishing Inc., 2nd edition, 2014 作者: Robert A. Weinberg