

114學年度第一學期 免疫方法學 (Research Methods in Immunology)

時間：星期四 13:20-15:10 地點：基醫504講堂 負責老師：李建國老師

課程設計與目標：免疫學研究的實驗技術廣泛，發展日新月異。本課程將針對常用或是新興的免疫實驗與技術，對於其原理、方法與應用作深入的介紹，建立研究生未來進行實驗操作時正確的觀念，並且有能力選擇適當的實驗方法。

Date	Title	Lecturer
09/04	Ethics and misconduct in science	李建國
09/11	Laboratory safety and organization of research	顧家綺
09/18	Writing a fundable proposal: reading reviewer's mind (Part 1: Concept and Principle)	張典顯
09/25	Flow cytometry: analysis and cell sorting	林志萱
10/02	Analysis of DNA regulatory elements	林國儀
10/09	Tools for studying global gene expression	賴亮全
10/16	Single-cell technology for immune research	許家郎
10/23	Crystallography of immune molecules	鄭貽生
10/30	Genomic approaches for studying immune diseases	陳沛隆
11/06	Functional proteomics	柯俊榮
11/13	Experimental animal models	游益興
11/20	Organoid culture for research in immunology	江伯倫
11/27	CAR-T and bacteria-based cancer therapy	游彰憲
12/04	Methods for signal transduction	徐立中
12/11	Generation of human monoclonal antibodies	黃冠穎
12/18	Final report presentation	李建國