國立陽明交通大學臨床醫學研究所　115 學年度第一學期　授課進度表

科目名稱：
免疫學在健康與疾病議題的研究
Immunological Research in Health and Disease
（科目代號 MDCM30083）
學分數：2　選修

時間：	地點：陽明校區守仁樓 104 教室	授課系級：
週三 13:20~15:10	（視訊教學課程）	博士班及碩士(專)班

負責教師：陳斯婷　　聯絡電話：02-28267045

課程大綱：
免疫學研究涵蓋廣泛主題，從免疫系統的細胞效應與機制再到其在各種疾病中的作用，如癌症、感染、慢性炎症、自體免疫疾病、過敏和組織移植。 它也在藥物開發、疫苗研發和治療技術方面發揮重要作用。本課程含涵蓋基礎與進階的免疫學知識，並從多元的角度探討免疫學在多種臨床常見疾病的致病機轉與治療策略。
Immunological research encompasses a wide range of topics, from the cellular components and mechanisms of the immune system to its roles in various diseases, including cancer, infections, chronic inflammation, autoimmune diseases, allergies, and organ transplantation. It also plays a crucial role in drug development, vaccine design, and therapeutic strategies. This course covers both fundamental and advanced immunological concepts and explores the role of immunology in the pathogenesis and treatment strategies of various common clinical diseases from multiple perspectives.

日　期	講　題	時　數	授課教師
115-09-09	Introduction to Applied Immunology	2	陳斯婷
115-09-16	Initiation of inflammatory reactions	2	陳斯婷
115-09-23	Toll-like receptors and members of the Immunoglobulin (Ig) family	2	陳念榮
115-09-30	Intracellular pattern recognition receptors	2	陳斯婷
115-10-07	Neutrophil Biology and Human Diseases	2	陳斯婷
115-10-14	Autoimmune Diseases	2	陳斯婷
115-10-21	Neuroimmunology and neuroinflammation in neurological disorders	2	陳世彬
115-10-28	Tumor Immunology and Immunotherapy	2	陶祕華
115-11-04	From Breakthroughs to Barriers: Current Advances and Resistance Mechanisms in Cancer Immunotherapy.	2	楊慕華
115-11-11	The Role of Natural Killer Cells in Cancer Immunotherapy	2	王愈善
115-11-18	全校運動會(停課)		
115-11-25	The role of innate immunity in Obstetrics and Gynecology	2	王鵬惠
115-12-02	Vaccine Basics and Development: Applications of Antibody Responses		范怡琴
115-12-09	Journal reading and discussion (1)	2	陳斯婷
115-12-16	Journal reading and discussion (2)	2	陳斯婷
115-12-23	Journal reading and discussion (3)	2	陳斯婷