

2026 微生物致病機轉 (115 學年度秋季)

醫學檢驗生物技術、分子醫學研究所、基醫所

時間：星期一, 10:10-12:00 (二學分)

地點：醫學院 301D

課程協調人： 王貞仁 (5786) (醫技所)
 鄧景浩 (4595)，王憲威(4218) (分醫所)

No.	Date	Topics	Lecturer
1.	09/07	Bacterial adhesion and invasion of host cells	鄧景浩
2.	09/14	Antibacterial agents and resistant mechanism	橋本昌征
3.	09/21	Microbial Extracellular Vesicles in Health and Disease	蔡佩珍
4.	10/5	How bacteria escape neutrophil extracellular traps	許淑美
5.	10/12	Pathogenesis of <i>Mycobacterium tuberculosis</i>	陳振暉
6.	10/19	Pathogenesis of amoebiasis	林威辰
7.	11/02	Iron-dependent pathologies in protozoan infections	鄭尉弘
8.	11/09	Midterm Exam	鄧景浩
9.	11/16	An overview of viral pathogenesis	黃湘琦
10.	11/23	Molecular Evolution and viral pathogenesis	王貞仁
11.	11/30	Acute phase response and host biomarkers in infection	萬書鈺
12.	12/07	Virus and host interaction	王憲威
13.	12/14	Viral hepatitis	楊孔嘉
14.	12/21	Immunopathogenesis of viral infections	張志鵬
15.	12/28	Viral evasion	王憲威
16.	01/04	Final Exam	王貞仁

References :

1. Viral Pathogenesis and Immunity, Neal Nathanson 2nd ed. 2007, Elsevier.
2. Field's Virology, Peter M. Howley MD, David M. Knipe PhD, Sean Whelan, ed., 7th ed, 2020/2023, Lippincott Williams & Wilkins.
3. Bacterial Pathogenesis: A Molecular Approach, Salgers & Whitt 2002, ASM Press.
4. Cellular Microbiology, Cossart et al. 2000, ASM Press.

Grading: Written examinations and/or assigned written report; Midterm Exam (50%), Final Exam (50%)

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