

**2022 微生物致病機轉 (111 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.	09/05	An overview of bacterial pathogenesis	鄧景浩
2.	09/12	Bacterial adhesion and invasion of host cells	鄧景浩
3.	09/19	Applications of bioluminescence imaging on infectious diseases	蔡佩珍
4.	09/26	Antibacterial agents and resistant mechanism	橋本昌征
5.	10/03	Role of cytotoxins in bacterial infectious diseases	羅宏仁
6.	10/17	Pathogenesis of <i>Mycobacterium tuberculosis</i>	陳振暉
7.	10/24	Pathogenesis of amoebiasis	林威辰
8.	10/31	Midterm Exam	鄧景浩
9.	11/07	An overview of viral pathogenesis	王貞仁
10.	11/14	Virus and host interaction	王憲威
11.	11/21	Acute phase response and host biomarkers in infection	沈靜芬
12.	11/28	Viral hepatitis	楊孔嘉
13.	12/05	Viral evasion	王憲威
14.	12/12	Immunopathogenesis of viral infections	張志鵬
15.	12/19	Immune responses in the animal model	凌斌
16.	12/26	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., 7<sup>th</sup> ed, 2020/2021, 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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