**2019微生物致病機轉 (108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. 09/9 An overview of bacterial pathogenesis 鄧景浩
2. 09/16 Bacterial adhesion and invasion of host cells 鄧景浩
3. 09/30 Applications of bioluminescence imaging on infectious diseases 蔡佩珍
4. 10/07 Antibacterial agents and resistant mechanism 橋本昌征
5. 10/14 Exotoxins  黃一修
6. 10/21 Pathogenesis of *Mycobacterium tuberculosis*  陳振暐
7. 10/28 Pathogenesis of amoebiasis 林威辰
8. 11/04 An overview of viral pathogenesis 王貞仁
9. 11/11 Midterm Exam  鄧景浩
10. 11/18 Virus and host interaction 王憲威
11. 11/25 Acute phase response in infection 劉清泉
12. 12/02 Viral hepatitis 楊孔嘉
13. 12/09 Viral evasion 王憲威
14. 12/16 Immune responses to viral infections 凌 斌
15. 12/23 Immunopathogenesis of viral infections 張志鵬
16. 01/06 Final Exam 王貞仁

References：

1. Viral Pathogenesis and Immunity, Neal Nathanson ed. 2002, Lippincott Williams & Wilkins.
2. Field's Virology, David M. Knipe, Peter M. Howley ed., 6th ed, 2013, 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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