

LSMC614100

102 學年度第一學期

微生物毒性因子

Microbial Virulence Factors

教師：王雯靜 時間：星期五 9:00am ~12:00pm

地點：生科二館 217 室

第 週	日 期	Topics
1	9/27	Introduction
2	10/4	Helicobacter pylori
3	10/11	Vacuolating toxin (VacA) I
4	10/18	Vacuolating toxin (VacA) II
5	10/25	AB-type toxins and pore-forming toxins
6	11/1	Cytotoxin-associated antigen (CagA) I
7	11/8	Cytotoxin-associated antigen (CagA) II Escherichia coli & heat-labile toxin, verotoxin Shigella dysenteriae & shiga toxin Vibrio cholerae & cholera toxin Clostridium tetani & tetanus toxin Clostridium botulinum & botulinum toxin Campylobacter jejuni & cytolethal distending toxin
8	11/15	Mid term
9	11/22	Cholesterol- $\alpha$ -glucosyltransferase
10	11/29	Secretion machines
11	12/6	Pathogen-cell interaction
12	12/13	Protein structure and function I
13	12/20	Protein structure and function II
14	12/27	Practical exercise in protein structure and function
15	1/3	Practical exercise in protein structure and function
16	1/10	Final report I
17	1/17	Final report II

參考書本:

1. Murray, P. R., Kobayashi, G. S., Pfaller, M. A. & Tenover, K. C. (1994). Medical Microbiology. Wolfe.
2. Alouf, J. E. and Freer, J. H. (1999). Bacterial protein toxins. Academic Press.
3. Evans, A. S. and Brachman, P. S. (1998). Bacterial Infections of Humans. Epidemiology and Control. Plenum Medical