

106 學年度第一學期

10610LSMC614100

微生物毒性因子 Microbial Virulence Factors

教師：王雯靜時間：星期二 10:00 am ~12:00 pm

地點：生科二館 217 室

第 週	Topics
1	The search for Infections Causes of Human Cancers
2	Typhoon
3	Autophagy in Macrophages: Impacting Inflammation and Bacterial Infection Articles discussion Cycle I
4	Inflammasome Activation by Microbial Infection Articles discussion Cycle I
5	Pathogenic bacteria: interaction with the host immune system Article discussion Cycle I
6	Microbiota and Cancer Articles discussion Cycle I
7	Epigenetics and Cancer Articles discussion Cycle I
8	<i>Helicobacter pylori</i> and gastrointestinal disease Template articles discussion Cycle II
9	Vacuolating toxin (VacA) Template articles discussion Cycle II
10	Cytotoxin-associated antigen (CagA) Template articles discussion Cycle II
11	Cholesterol- α -glucosyltransferase Template articles discussion Cycle II
12	Pathogen-cell interaction Template articles discussion Cycle II
13	AB-type toxins and pore-forming toxins <i>Clostridium tetani</i> & tetanus toxin <i>Clostridium botulinum</i> & botulinum toxin <i>Escherichia coli</i> & heat-labile toxin, verotoxin <i>Shigella dysenteriae</i> & shiga toxin
14	<i>Vibrio cholerae</i> & cholera toxin, <i>Bacillus anthracis</i> & Anthrax toxin <i>Bordetella pertussis</i> & Pertussis toxin <i>Corynebacterium diphtheriae</i> & diphtheria toxin <i>Campylobacter jejuni</i> & cytolethal distending toxin

15	Recent topics on bacterial virulence
16	Recent topics on bacterial virulence
17	Recent topics on bacterial virulence

參考書本:

1. Alouf, J. E. and Freer, J. H. (1999). Bacterial protein toxins. Academic Press.
2. Evans, A. S. and Brachman, P. S. (2013). Bacterial Infections of Humans. Epidemiology and Control. Plenum Medical. Edition 3
http://www.youtube.com/watch?v=9A1_BberZ8w&feature=related