

Medical Microbiology & Immunology 554: Fall 2015 -2511 Microbial Sciences Center

Date	Topics
9/3	Course Introduction, Educational Objectives, Factors of Emergence (LK)
9/8	History of Public Health, and its role in addressing emerging disease threats (PS)
9/10	Bioterrorism: agents and the reality of the threat (PS)
9/15	Species Jumping and Zoonoses: examples (LK)
9/17	Human Microbiome, Probiotics and the Hygiene Hypothesis (AS)
9/22	Malaria (LK)
9/24	HIV and AIDS (DO)
9/29	TB: travel and treatment issues (CP)
10/1	Pandemic Influenza (PS)
10/6	Reservoirs and highly virulent diseases in humans, Ebola and SARS (LK)
10/8	Emerging Infectious Diseases in Wildlife (LK)
10/13	Exam # 1
10/15	Viruses and cancer (RS)
10/20	Emerging Diseases in Plants (JP)
10/22	Emerging Infectious Diseases in the Water Supply and how that affects immunocompromised persons (LK)
10/27	Food borne illness- Is that burger safe? How about that salad? (LK)
10/29	Food-borne outbreak laboratory response and PulseNet (TM)
11/3	Food Safety infrastructure, FDA, USDA, and inspections (PS)
11/5	History of White Nose Syndrome (DB)
11/10	Nosocomial Acquired Infections: MSRA and C. dif (CC)
11/12	Global warming and vectors: Dengue and Chikungunya (PS and LK)
11/17	Emerging Fungal infections in humans (JN)
11/19	Vaccine negligence, social issues, misconceptions, efficacy and failures (PS)
11/24	Basic Epidemiology of emerging infectious diseases (SM)
11/26	Thanksgiving
12/1	The Role of Public Health and Laboratories in Emerging infectious diseases (PS)
12/3	Discussion: "Bad bugs, no drugs: no ESKAPE! Update from IDSA. Boucher et al., Clin Infect Dis. 2009 48(1):1-12 (LK)
12/8	Discussion: "Neglected Infections of Poverty in the United States" Hotez, PLoS Neglected Tropic Diseases, 2008 (LK)
12/10	Discussion: Response to Public Health Emergencies: Role of the Media (Media panel)
12/15	Discussion: "Biomedical ethics of virulent strain recreation" (PS)
12/15	Graduate Student 5 page paper due
12/18	Final Exam 7:45-9:45am

Presenters:

- David S Blehert, PhD, Branch Chief, Wildlife Disease Diagnostic Laboratories, USGS - National Wildlife Health Center
- Chris Crnich M.D., Associate Professor of Medicine, UW School of Medicine and Public Health
- Laura Knoll Ph.D. Associate Professor Dept. of Medical Microbiology and Immunology, UW School of Medicine and Public Health
- Steve Marshall, M.S., Assistant Director, Communicable Disease Division, Wisconsin State laboratory of Hygiene
- Tim Monson, Coordinator, Food- and water-borne disease program, Wisconsin State laboratory of Hygiene
- Jeniel Nett, MD. Assistant Professor of Medicine and Medical Microbiology, UW School of Medicine and Public Health
- David O'Connor, Ph.D. Associate Professor, Department of Pathology and Lab. Medicine, UW School of Medicine and Public Health
- Jon Palmer, Ph.D., Scientist in the Dept. of Medical Microbiology and Immunology, UW School of Medicine and Public Health
- Caitlin Pepperell M.D. Assistant Professor Dept. of Medicine and Medical Microbiology and Immunology, UW School of Medicine
- Abigail Shockey, B.S. Teaching Assistant Extraordinaire, Dept. of Medicine and Medical Microbiology and Immunology.
- Peter A. Shult, Ph.D., Director, Communicable Disease Division and Emergency Laboratory Response, Wisconsin State Laboratory of Hygiene
- Robert Striker M.D., Ph.D. Associate Professor Dept. of Medicine and Medical Microbiology, UW School of Medicine