CLASSIC AND 21ST CENTURY PATHOGENS (C2CP) (TIII 5620Q) Fall semester, 2025

<u>Aim:</u> To understand the major concepts in pathogenicity of viruses, bacteria, parasites, and fungi that infect humans, and the host responses to these pathogens.

Coordinator: Dr. David Lukac Course organization: The course will be divided into five subsections. Grading: Will be based on 3 exams

CLASS MEETS MWF FROM 2:00--3:30 PM in ICPH Room E 220 R (*with exceptions)

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Class# Dat	e Topic	
A) Intro to Immunity		Lecturer
1. T 8/26		Lukac
2. W 8/27		Kaipilyawar
3. F 8/29	1	Kaipilyawar
9/1* Labor Day		
B) Viral Pathogenesis		
4. W 9/3	Intro to Animal Viruses I	Whitehead
5. F 9/5	Intro to Animal Viruses II	Whitehead
6. M 9/8	Mechanisms of viral pathogenesis I	Lukac
7. W 9/10	Mechanisms of viral pathogenesis II	Lukac
8. F 9/12	Antivirals and immune evasion	Rajsbaum
	(distribute Exam I—take home)	
C) Pastorial Bathaganesis		
C) Bacterial Pathogenesis 9. M 9/15 Bacterial genetics and molecular biology		Vaablam
9. WI 9/13 10.W 9/17	Introduction to Bacteria	Kachlany
		Kachlany
11. F 9/19	Mechanisms of bacterial pathogenesis I	Parveen
9/22, 9/24* Rosh Hashanah		
12. F 9/26	Mechanisms of bacterial pathogenesis II	Parveen
13. M 9/29	Antibacterial agents and resistance	Yang
distribute EXAM II		
10/1*	Yom Kippur	
D) Fungal Pathogenesis		
14. 10/3 F		Kaback
15. 10/6 M	Tales from the Crypt: Genetic Approaches to understanding a	
	Eukaryotic Pathogen	Xue
E) Parasitic Pathogenesis		
16. 10/13 M	Hiding in our bodies/Intracellular Parasites	Bhanot
17. 10/17 F	More bugs and other creepy crawly creatures	
	that live within or on us *(4:00 start)	Kaback

distribute EXAM III