

Schedule Major "Infectious Diseases" SoSe 2020

2nd Semester (SoSe 20) - Module 2 (Week 9-15): "FOCUS BIOSCIENCES"

June 15th - July 31st 2020 15 CP (CP=Credit Points)

Clayton, Ganter, Douglas, Samstag, Wabnitz, Kubatzky, Hildebrand, Boutin, Hidmark

Module 2, week (1)				06/15-06/19
	Lecture/Tutorial 8:15am - 09:45am INF344; room 003/004 except: 6.7.-10.7.20: ZMBH room 512	Seminar	Private study etc.	
Mon	The mucosal surface: Front line of defense		seminar preparation, private study	
Tue	Innate Immunity: Cells, receptors and how bacteria fight them			
Wed	General concepts and T-cell biology			
Thu	T-cell subsets and their effector functions			
Fri	Antibodies and B-cells			
Module 2, week (2)				06/22-06/26
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.	
Mon	B-cell biology and disorders of the adaptive immune system		seminar preparation, private study	
Tue	Tutorial			
Wed	Principles of vaccination			
Thu	Tutorial			
Fri	Signaling in Infection: Chemokines, cytokines			
Module 2, week (3)				06/29-07/03
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.	
Mon	Quorum Sensing		seminar preparation, private study	
Tue	Virulence factors - how to arm bacteria			
Wed	Toxins			
Thu	Microbiome			
Fri	TUTORIAL			
Module 2, week (4)				07/06-07/10
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.	
Mon	Antimicrobial drug development		seminar preparation, private study	
Tue	Cell wall and membrane as drug targets			
Wed	Nucleotides, redox and cofactors as drug targets			
Thu	Proteins and RNA as drug targets			
Fri	Energy metabolism and unique pathways			
Module 2, Week (5)				07/13-07/17
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.	

Mon	Modes of pathogen transmission, life cycles		seminar preparation, private study
Tue	Gene expression and genetic manipulation		
Wed	Antigenic variation and diversity		
Thu	Parasitic infections		
Fri	TUTORIAL		

Module 2, Week (6)			07/20-07/24
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon			seminar preparation, private study
Tue			
Wed			
Thu			
Fri		Seminar INF324, SR 1.OG 10AM-3PM	

Module 2, Week (7)			07/27-07/31
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon		Seminar INF344, SR003/004 10AM-3PM	Private Study
Tue		Seminar ZMBH 512 10AM-3PM	
Wed			
Thu			
Fri			

Mon 10.8.20	Written Examination (room tba)
Mon 7.9.20	retake (room tba)

	Kubatzky, Hidmark, Hildebrand, Boutin
	NN
	Clayton
	Samstag, Wabnitz

*) lectures include time for active discussion