

Schedule Major "Infectious Diseases" SoSe 2018

2nd Semester (SoSe 18) - Module 2 (Week 9-15): "FOCUS BIOSCIENCES"

June 11th - July 27th 2018 15 CP (CP=Credit Points)

Clayton, Przyborski, Ganter, Douglas Samstag, Wabnitz, Kubatzky, Dalpke, Eigenbrod, Hildebrand

Module 2, week (1)			06/11-06/15
	Lecture *) 8:15am - 09:45am Monday-Thursday: INF344 R 003/004 Friday: INF 344 R 207	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)			06/18-06/22
	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	Signaling in Infection: Chemokines, cytokines		
Thu	Immune defense of infectious organisms:bringing the players together		
Fri	Principles of vaccination		
Module 2, week (3)			06/25-06/29
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	TUTORIAL		seminar preparation, private study
Tue	Virulence factors - how to arm bacteria		
Wed	Intracellular survival of bacteria & eukaryotic pathogens		
Thu	Communication in infection: prokaryotic cell signaling		
Fri	Toxins		
Module 2, week (4)			07/02-07/06
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Important bacterial infections: selected examples		seminar preparation, private study
Tue	Fungal infections		
Wed	Modes of pathogen transmission, life cycles		
Thu	Gene expression and genetic manipulation		
Fri	Antigenic variation and diversity		

Module 2, Week (5)			07/09-07/13
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Parasitic infections		seminar preparation, private study
Tue	TUTORIAL		
Wed	Antimicrobial drug development		
Thu	Cell wall and membrane as drug targets		
Fri	Nucleotides, redox and cofactors as drug targets		
Module 2, Week (6)			07/16-07/20
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Proteins and RNA as drug targets		seminar preparation, private study
Tue	Energy metabolism and unique pathways		
Wed		Seminar ZMBH 10:00am-3:00pm	
Thu		Seminar INF324, SR 3.OG 9:00am-2:00pm	
Fri		Seminar INF344, SR207 10:00am-3:00pm	
Module 2, Week (7)			07/23-07/27
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon			Private Study
Tue			
Wed			
Thu			
Fri	Written Examination		

Fri 17.08.

retake



Dalpke, Kubatzky, Eigenbrod, Hildebrand

Douglas, Przyborski, Ganter

Clayton

Samstag, Wabnitz

*) lectures include time for active discussion