

## Schedule Major "Infectious Diseases" SoSe 2019

2<sup>nd</sup> Semester (SoSe 19) - Module 2 (Week 9-15): "FOCUS BIOSCIENCES"

June 10th - July 26th 2019 15 CP (CP=Credit Points)

Clayton, Przyborski, Ganter, Douglas, Samstag, Wabnitz, Kubatzky, Eigenbrod, Hildebrand, Boutin, Guizetti, Hidmark

Module 2, week (1)			06/10-06/14
	Lecture *) 8:15am - 09:45am Monday-Thursday: INF344 R 003/004 Friday: INF 344 R 207 except: 4.7.-10.7.19: ZMBH room 512	Seminar	Private study etc.
Mon	public holiday		seminar preparation, private study
Tue	The mucosal surface: Front line of defense		
Wed	Innate Immunity: Cells, receptors and how bacteria fight them		
Thu	General concepts and T-cell biology		
Fri	T-cell subsets and their effector functions		
Module 2, week (2)			06/17-06/21
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Antibodies and B-cells		seminar preparation, private study
Tue	B-cell biology and disorders of the adaptive immune system		
Wed	Tutorial		
Thu	public holiday		
Fri	Signaling in Infection: Chemokines, cytokines		
Module 2, week (3)			06/24-06/28
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Communication in infection: prokaryotic cell signaling		seminar preparation, private study
Tue	Principles of vaccination		
Wed	TUTORIAL		
Thu	Virulence factors - how to arm bacteria		
Fri	Intracellular survival of bacteria & eukaryotic pathogens		
Module 2, week (4)			07/01-07/05
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Immune defense of infectious organisms:bringing the players together		seminar preparation, private study
Tue	Toxins		
Wed	Important bacterial infections: selected examples		
Thu	Antimicrobial drug development		

Fri	Cell wall and membrane as drug targets		
Module 2, Week (5)			07/08-07/12
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Nucleotides, redox and cofactors as drug targets		seminar preparation, private study
Tue	Proteins and RNA as drug targets		
Wed	Energy metabolism and unique pathways		
Thu	Microbiome (Boutin)		
Fri	Modes of pathogen transmission, life cycles		
Module 2, Week (6)			07/15-07/19
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon	Gene expression and genetic manipulation		seminar preparation, private study
Tue	Antigenic variation and diversity		
Wed	Parasitic infections		
Thu	TUTORIAL		
Fri		Seminar INF324, SR 1.OG 10AM-3PM	
Module 2, Week (7)			07/22-07/26
	Lecture *) 8:15am - 09:45am	Seminar	Private study etc.
Mon		Seminar INF344, SR003/004 10AM-3PM	Private Study
Tue			
Wed			
Thu		Seminar ZMBH 020 10AM-3PM	
Fri			
Mon 5.8.19	Written Examination		
Mon 2.9.19	retake		

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

\*) lectures include time for active discussion