

Master of Science Medical Biology - Study path in Pharmacology and Toxicology - Spring 2024

Responsible : M.-C. Broillet (marie-christine.broillet@unil.ch)

TEACHING	RESPONSIBLE/Teaching staff	ROOM	HOURS
Fundamental Principles : Pharmacokinetics / Pharmacogenomics	D. Firsov (DF)	Bugnon 7, 6th floor, seminar room	10 C + 2 S
System Pharmacology : Neuropharmacology	S. Kellenberger (SK) E. Hummler (EH) P. Steullet (PSt) C. Eap (CE)	Bugnon 7, 6th floor, seminar room	8 C + 2 S 4 C 4 C + 2 S 2 C
System Pharmacology: Cardiovascular Pharmacology	D. Diviani (DD) S. Kellenberger (SK)	Bugnon 7, 6th floor, seminar room	6 C + 2 S 2 C
System Pharmacology : Endocrine Pharmacology	E. Hummler (EH)	Bugnon 7, 6th floor, seminar room	8 C + 2 S
Drug Design	L. Scapozza (Lsca)	Bugnon 7, 6th floor, seminar room	4 C
Pharmaceuticals as Doping Drugs	N. Leuenberger (NL)	Bugnon 7, 6th floor, seminar room	4 C
Principles of Chemotherapy : Infectious Diseases	O. Staub (OS)	Bugnon 7, 6th floor, seminar room	6 C + 2 S
Principles of Chemotherapy : Cancer	A. Ocampo Méndez (AO)	Bugnon 7, 6th floor, seminar room	6 C + 2 S
Regulations and Regulatory Agencies	F. Girardin (FG)	Bugnon 7, 6th floor, seminar room	2 C
Development of Drugs : Practical Aspects	J.-M. Dumont (JMD)	Bugnon 7, 6th floor, seminar room	4 C
Toxicology	M.-C. Broillet (MCB) N. Chèvre (NC) N. Hopf (NH)	Bugnon 7, 6th floor, seminar room	10 C + 4 S 2 C 4 C
Toxicology : e-Learning	M.-C. Broillet (MCB)	Bugnon 7, 6th floor, seminar room	8 E
Case Study in Toxicology	M.-C. Broillet (MCB)	Bugnon 7, 6th floor, seminar room	12 E
Development of Therapeutics (pbl)	M.-C. Broillet (MCB)	Bugnon 7, 6th floor, seminar room	10 C (3 groups)
Optimization of Drug Treatment	E. Choong (EC)	Bugnon 7, 6th floor, seminar room	6 C
Radiation Protection and Radiological Risk: Quantitative and Public Health Aspects	D. Staedler (DS)	Bugnon 7, 6th floor, seminar room	2 C
Analytical Techniques in Toxicology and Ecotoxicology	D. Staedler (DS)	Cours PD (DS) optional Bugnon 7, 6th floor, seminar room, SCITEC Research	10 C
Pharmaceutical Drugs : Pregnancy and Breastfeeding	U. Winterfeld (UW)	Cours PD (UW) optional Bugnon 7, 6th floor, seminar room	10 C
Synthetic Drugs : an Emerging Toxicology and Social Health Problem	F. Gilardi (FGi)	Cours PD (FGi) optional Bugnon 7, 6th floor, seminar room	10 C
Seminars on Drug Discovery & Development	O. Staub S. Kellenberger	Bugnon 7, 6th floor, seminar room	12 S
Visit of an Industrial Pharmaceutical Research Center	O. Staub M.-C. Broillet		8 PW
Visit of a Waste or Water Recycling Plant	M.-C. Broillet		5 PW
Write and Defend Grant Proposal	M.-C. Broillet	Bugnon 7, 6th floor, seminar room	2 E

Optional Courses

Training in Animal Experimentation (RESAL Module 1)	M.-C. Broillet, C. Cadilhac (MCB, CC)	20 C + 20 PW
Clinical Research Module	G. Wuerzner (GW)	20 C + 20 PW

Common Courses Compulsory (for all students)

Introduction to Clinical Medicine	G. Wuerzner, E. Gonzalez Rodriguez (GW, EGR)	20 C
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WEEK 1: 19.02 to 23.02

	mo 19	tu 20	we 21	th 22	fr 23
08:15	Introduction to Clinical Medicine / Clinical Research Module (Theory) GW, EGR				
09:15					
10:15	Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group I - Animalerie Arare, Genève) MCB,CC				
11:15					
12:15					
13:15	Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group I - Animalerie Arare, Genève) MCB,CC				
14:15					
15:15					
16:15					
17:15					
	CHUV-A.Yersin	CHUV-Maternité	CHUV-C.Roux	BU19-Decker	BU19-Decker
	CHUV-M.Mayor	CHUV-C.Roux	CHUV-C.Roux	BU9-G.Auditoire	CHUV-C.Olivier

WEEK 2: 26.02 to 01.03

	mo 26	tu 27	we 28	th 29	fr 01
08:15	Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group II - Animalerie Arare, Genève) MCB,CC			Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group III - Animalerie Arare, Genève) MCB,CC	
09:15					
10:15	Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group II - Animalerie Arare, Genève) MCB,CC			Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group III - Animalerie Arare, Genève) MCB,CC	
11:15					
12:15					
13:15	Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group II - Animalerie Arare, Genève) MCB,CC			Clinical Research Module (e-learning TRREE) GW / RESAL Module 1 (Practicals - Group III - Animalerie Arare, Genève) MCB,CC	
14:15					
15:15					
16:15					
17:15					

WEEK 3: 04.03 to 08.03

	mo 04	tu 05	we 06	th 07	fr 08
08:15		Introduction PW/Security		FG	MCB (pbl)
09:15					
10:15	Introduction Study Path	DF	DF	DF	DF
11:15					
12:15				Seminar	
13:15					
14:15					
15:15					
16:15					
17:15					

WEEK 4: 11.03 to 15.03

	mo 11	tu 12	we 13	th 14	fr 15
08:15		Cours PD FGi	DF (seminar)	MCB (pbl) 1	CE
09:15					
10:15		DF	SK	MCB (pbl) 2	Cours PD UW
11:15					
12:15	Cours PD UW	Cours PD UW	Cours PD UW	Seminar	Cours PD UW
13:15					
14:15				MCB (pbl) 3	
15:15					
16:15					
17:15					

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WEEK 5: 18.03 to 22.03

	mo 18	tu 19	we 20	th 21	fr 22
08:15	MCB (pbl) 1	Cours PD FGi	SK	SK	PSt
09:15	MCB (pbl) 2	SK	EH	EH	PSt
10:15				Seminar	
11:15				MCB (e-learning)	NL
12:15					
13:15		MCB (pbl) 3			
14:15					
15:15					
16:15					
17:15					

WEEK 6: 25.03 to 29.03

	mo 25	tu 26	we 27	th 28	fr 29
08:15		Cours PD FGi	MCB (pbl) 1	MCB (pbl) 2	Easter Holidays
09:15			MCB (Case Study)	MCB (pbl) 3	
10:15	PSt (seminar)	SK			
11:15					
12:15					
13:15	OS	OS	OS		
14:15					
15:15					
16:15					
17:15					

EASTER HOLIDAYS : FROM MARCH 29 TO APRIL 5, 2024

WEEK 7: 08.04 to 12.04

	mo 08	tu 09	we 10	th 11	fr 12
08:15	DD	Cours PD FGi	MCB (pbl) 1	MCB (pbl) 2	MCB (pbl) 3
09:15	MCB	DD	DD	MCB	NC
10:15				Seminar	
11:15					MCB (Case Study)
12:15	MCB (Case Study)	MCB	Lsca		
13:15					
14:15		MCB (e-learning)			
15:15					
16:15					
17:15					

WEEK 8: 15.04 to 19.04

	mo 15	tu 16	we 17	th 18	fr 19
08:15	DD (seminar)	Cours PD FGi	MCB	MCB (Case Study)	JMD
09:15					
10:15	EC	EC	MCB	EC	
11:15					
12:15		Seminar		Seminar	
13:15			NH		
14:15				MCB (e-learning)	
15:15			NH		
16:15					
17:15					

WEEK 9: 22.04 to 26.04

	mo 22	tu 23	we 24	th 25	fr 26
08:15	AO		AO	AO	
09:15					
10:15	EH	EH	EH	EH	DS
11:15					
12:15					
13:15			Cours PD DS		Cours PD DS
14:15	Cours PD DS	Cours PD DS			
15:15			Cours PD DS		
16:15					
17:15					

WEEK 10: 29.04 to 03.05

	mo 29	tu 30	we 01	th 02	fr 03
08:15	MCB (Case Study)		Visit Water Purification Plant	MCB (Case Study)	Visit
09:15	Write & Defend Grant Proposal	MCB (e-learning)		MCB (Case Study)	
10:15					
11:15					
12:15					
13:15	MCB (seminar)				
14:15					
15:15	MCB (seminar)				
16:15					
17:15					

WEEK 11: 06.05 to 10.05

	mo 06	tu 07	we 08	th 09	fr 10
08:15				Ascension	
09:15					
10:15					
11:15	Exam preparation	Exam preparation	Exam preparation		Exam preparation
12:15					
13:15					
14:15					
15:15					
16:15					
17:15					

WEEK 12: 13.05 to 17.05

	mo 13	tu 14	we 15	th 16	fr 17
08:15			Written evaluation		
09:15					
10:15				Exam preparation	Exam preparation
11:15	Exam preparation	Exam preparation			
12:15					
13:15			Exam preparation		
14:15					
15:15					
16:15					
17:15					

WEEK 13: 20.05 to 24.05

	mo 20	tu 21	we 22	th 23	fr 24	
08:15	Pentecôte				Master Work and Grant writing	
09:15						
10:15			Exam preparation	Oral evaluation	Oral evaluation	
11:15						
12:15						
13:15						Master Work and Grant writing
14:15						
15:15						
16:15						
17:15						

WEEK 14: 27.05 to 31.05

	mo 27	tu 28	we 29	th 30	fr 31
08:15	Dies Academicus	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing
09:15					
10:15					
11:15					
12:15					
13:15		Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing
14:15					
15:15					
16:15					
17:15					

WEEK : 03.06 to 07.06

	mo 03	tu 04	we 05	th 06	fr 07
08:15	Grant writing: written report	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing
09:15					
10:15					
11:15					
12:15					
13:15		Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing	Master Work and Grant writing
14:15					
15:15					
16:15					
17:15					

WEEK : 10.06 to 14.06

	mo 10	tu 11	we 12	th 13	fr 14
08:15	Grant writing: oral presentation			Grant writing: oral presentation	Grant writing: oral presentation
09:15					
10:15					
11:15					
12:15		preparation of grant defense	preparation of grant defense	preparation of grant defense	
13:15					
14:15					
15:15					
16:15					
17:15					