

Baccalauréat universitaire ès Sciences en biologie - 3e année - Printemps 2024

Physiology of Complex Systems

Responsable : O. Staub

TEACHING	RESPONSIBLE <i>Teaching staff</i>	HOURS
The Immune System	S. Luther (SL), F. Tacchini-Cottier (FTC), M. Rebsamen (MR)	15 C + 8 PW
Neurobiology Glial cells – signaling mechanisms, roles in metabolism and disease Cellular and circuit mechanisms of pain Brain development and risk for mental disorders Mechanisms and functions of sleep Démonstration Système nerveux central	A. Lüthi (AL) R. Paolicelli (RP), J.-Y. Chatton (JYC) P. Chu Sin Chung (PC) D. Dwir (DDw) P. Franken (PF), A. Lüthi (AL), L. Fernandez (LF) R. Stoop (RS)	24 C + 2 S + 2 PW
Metabolism and Endocrinology	N. Pitteloud (NP) A. Messina (AM), G. Sykiotis (GS) N. Place (NPL), G. Millet (GM), M. Pellegrin (MP)	22 C
Please note: the lectures by Prof. A. Messina on 9 and 11 April are only available on Moodle		
Basis of Pharmacology and Toxicology Introduction à la pharmacologie Pharmacocinétique-Pharmacodynamique Pharmacogénétique-pharmacogénomique Etudes cliniques et précliniques Toxicologie générale Exemple de médicaments : les B-bloqueurs Exemple de médicaments : les anti-HIV Exemple de médicaments : les anti-cancéreux Exemple de médicaments : les anti-inflammatoires non stéroïdiens TP (répartition en 2-3 groupes) : Récepteurs pharmacologiques	M.-C. Broillet M.-C. Broillet (MCB) S. Kellenberger (SK) E. Choong (EC) S. Kellenberger (SK) M.-C. Broillet (MCB) D. Diviani (DD) O. Staub (OS) O. Staub (OS) S. Kellenberger (SK) D. Diviani (DD)	20 C + 4 PW

Site :	<ul style="list-style-type: none"> - Introduction, courses et seminars : Epalinges, Dpt Immunobiology, room F308 - PW Immune system : Epalinges, Dpt Immunobiology, room F304 - PW Neurobiology : Bugnon 9, dissection room - PW Pharmacology : Bugnon 27, Dpt Biomedical Sciences, room 315
	Schedule_start of lessons : Morning : 08:15 - 09:15 - 10:15 - 11:15 - 12:15 Afternoon : 13:15 - 14:15 - 15:15 - 16:15 - 17:15

WEEK 5: 18.03 to 22.03

	mo 18	tu 19	we 20	th 21	fr 22
08:15	[Hatched pattern]	[Hatched pattern]			Optional Courses
10:15			Introduction (OS)	Neurobiology (JYC)	
12:15			Metabo & Endocrin (AM)		
13:15			Pharm & Tox (MCB)	Pharm & Tox (SK)	
15:15					
17:15					

WEEK 6: 25.03 to 29.03

	mo 25	tu 26	we 27	th 28	fr 29
08:15	Metabo & Endocrin (AM)	Immune system (SL)	Immune system (SL)	Immune system (SL)	Easter Holidays
10:15	Neurobiology (JYC)	Pharm & Tox (MCB)	Neurobiology (DDw)	Pharm & Tox (SK)	
12:15					
13:15	Pharm & Tox (MCB)	Neurobiology (DDw)	Neurobiology (DDw)	PW - Immune system (FTC)	
15:15			Session MSc MB (ZOOM)		
17:15					

EASTER HOLIDAYS 2021 : 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	Immune syst (FTC)	Metabo & Endo (AM) -> Moodle	PW - Neurobiology (RS)	Metabo & Endocrin (NP)	Optional Courses
10:15	Neurobiology (RP)	Pharm & Tox (EC)		Metabo & Endo (AM) -> Moodle	
12:15					
13:15	PW - Immune system (Group 1)	PW - Immune system (Group 2)	PW - Immune system (Group 1)	PW - Immune system (Group 2)	
15:15					
17:15					

WEEK 8: 15.04 to 19.04

	mo 15	tu 16	we 17	th 18	fr 19
08:15	Metabo & Endocrin (NPL)	Metabo & Endocrin (GS)	Metabo & Endocrin (GS)		Optional Courses
10:15	Neurobiology (PC)	Pharm & Tox (DD)	Immune system (SL)	Metabo & Endocrin (NP)	
12:15					
13:15	Immune system (FTC)	PW - Pharmacology & toxicology (Groupe 1)	PW - Pharmacology & toxicology (Groupe 2)	PW - Pharmacology & toxicology (Groupe 3)	
15:15					
17:15					

WEEK 9: 22.04 to 26.04

	mo 22	tu 23	we 24	th 25	fr 26
08:15	Immune system (FTC)	Metabo & Endocrin (MP)	Pharm & Tox (SK)	Metabo & Endocrin (GM)	Optional Courses
10:15	Neurobiology (PF)	Pharm & Tox (OS)	Neurobiology (AL+LF)	Pharm & Tox (OS)	
12:15					
13:15	Neurobiology (PC)	Neurobiology (PF) Neurobiology (AL)	Neurobiology (PC)	S-Neurobiology AL+RP+DDw+PC	
15:15	PW - Immune				
17:15					

▲ Due to experimental, weather and/or transportation contingencies, TP schedules may be adapted during the semester