

**Master of Science In Medical Biology - Study path in Metabolism - Spring 2019**

Responsible: Christian Widmann

TEACHING	RESPONSIBLE	HOURS	EMAIL
Planning, Interpreting and Presenting Science	C. Widmann	6 C + 20 S	Christian.Widmann@unil.ch
The Good (cholesterol), the Bad (cholesterol) and the Lipoproteins	C. Widmann, T.-H. Collet	4 C + 6 S	Christian.Widmann@unil.ch Tinh-Hai.Collet@chuv.ch
Science and Journalism	S. Gardier	4 S	Christian.Widmann@unil.ch
Brain Metabolism	L. Pellerin	4 C + 2 S	Luc.Pellerin@unil.ch
Experimental Techniques : Transgenesis and Gene Knockout	E. Hummler	4 C + 2 S	edith.hummler@unil.ch
Stem Cell and Metabolism	M. Knobloch	6 C + 2 S	marlen.knobloch@unil.ch
Nutritional Physiology	A. Messina	4 C + 2 S	Andrea.Messina@chuv.ch
Metabolism and Cell Death	F. Allagnat	4 C + 2 S	Florent.Allagnat@unil.ch
Metabolic Adaptation to Fasting: Role of Metabolic Sensors	C. Canto	4 C + 2 S	Carlos.CantoAlvarez@rd.nestle.com
Hypothalamus and the Interaction between Metabolism and Reproduction	A. Messina	4 C + 2 S	Andrea.Messina@chuv.ch
G-couple Receptors and Autonomic Nervous System	D. Diviani	4 C + 2 S	Dario.Diviani@unil.ch
Metabolic Syndrome : Epidemiology and (pre-)Clinical Implications	J. Puder	4 C + 10 S	Jardena.Puder@chuv.ch
Bioinformatics Tools for the Study of Metabolism	I. Xenarios	2 C	Ioannis.Xenarios@unil.ch
Metabolism and Cancer	L. Fajas	4 C + 2 S	lluis.fajas@unil.ch
Circadian Rhythm and Metabolism	D. Gatfield	4 C + 2 S	David.Gatfield@unil.ch
No-Coding RNA in Metabolism	R. Regazzi	4 C + 2 S	Romano.Regazzi@unil.ch
What is a Calorie?	L. Tappy	2 C + 4 S	Luc.Tappy@unil.ch
Metabolic Phenotyping	F. Preitner	6 C + 2 S	Frederic.Preitner@unil.ch
Metabolomics	J. Ivanisevic, H. Gallart-Ayala	4 C + 2 S	julijana.ivanisevic@unil.ch hector.gallartayala@unil.ch
Technology Transfer	S. Kohler	2 C	Stefan.Kohler@chuv.ch
Write and Defend Grant Proposal, prepare Journal Club	C. Widmann	2 E	Christian.Widmann@unil.ch

**Teaching's place :** Bugnon 7, level 06, seminar room

Schedule teaching's beginning :

Morning : 8:15, 9:15, 10:15, 11:15, 12:15  
 Afternoon : 13:15, 14:15, 15:15, 16:15

H - The case of sugar      At home      Donner le livre les premières heures

**WEEK 1: 18.02 to 22.02**

	mo 18	tu 19	we 20	th 21	fr 22
8H	C - introduction to the study track	C - Data interpr and experim design (CW)	C - Effective presentation in science (CW)	C-Metabolic Phenotyping (FPrei)	C-Metabolic Phenotyping (FPrei)
10H	C - what is a calorie? (LT)	C- Good,Bad and Lipopro (CW)	C-Good,Bad and Lipopro (CW)	C - Biases and the misuse of statistics (CW)	C-Metabolic Phenotyping (FPrei)
12H					
13H	Common courses Clinical Medicine	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles
15H					
17H					

**WEEK 2: 25.02 to 01.03**

	mo 25	tu 26	we 27	th 28	fr 01
8H	Visit to the clinic Florine ORY	C-Exp.tech.: transg. & gene knockout(EH)	S-Effective presentation (preMS project) (CW)	C-Exp.tech.: transg. & gene knockout(EH)	S - Good,Bad and Lipopro (CW)
10H		S - Review a paper (CW)	E - Grant writing (CW)	C-Bioinfo tools for study metab (IX)	C-Hypotha. +inter. met. (AM)
12H					
13H	Common courses Clinical Medicine	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	S-Exp.tech.: transg. & gene knockout(EH)	Practical workshop or Read and analyze articles
15H				Practical workshop or Read and analyze articles	
17H					

**WEEK 3: 04.03 to 08.03**

	mo 04	tu 05	we 06	th 07	fr 08
8H	Visit to the clinic	C - GPCR & auton.nerv.syst. (DD)	C - Metabolic syndrome / epidemio. (JP)	C - Metabolic syndrome / epidemio. (JP)	C - Non-coding RNA in metabo (FR)
10H		S-Metabolic Phenotyping (FPrei)	C - Non-coding RNA in metabo (RR)	C - GPCR & auton.nerv.syst. (DD)	C-Metabolic adaptation to fasting (CC)
12H					
13H	Common courses Clinical Medicine	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles
15H					
17H					

**WEEK 4: 11.03 to 15.03**

	mo 11	tu 12	we 13	th 14	fr 15
8H	Visit to the clinic	C-Hypotha. +inter. met. (AM)	C-Nutritional Physiology (AM)	S - Metabolic syndrome / epidemio. (JP)	S - GPCR & auton.nerv.syst. (DD)
10H		C-Metabolic adaptation to fasting (CC)	S-experimental design (CW)	S-Metabolic adaptation to fasting (CC)	C-Technology transfer (SK)
12H					
13H	Common courses Clinical Medicine	Practical workshop or Read and analyze articles	S - Metabolic syndrome / epidemio. (JP) Practical workshop	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles
15H					
17H					

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**WEEK 5: 18.03 to 22.03**

	mo 18	tu 19	we 20	th 21	fr 22
8H	Visit to the clinic Thomas KUNZ	C-Nutritional Physiology (AM)	C-Brain metabolism (LP)	C-Metabolism and cancer (LF)	C-Metabolism and cancer (LF)
10H		S-Hypoth. +inter. met. (AM)	S - Non-coding RNA in metabo (RR)	C-Brain metabolism (LP)	C-Circadian rhythm and metabo (DG)
12H					
13H	Common courses Clinical Medicine	C - Metabolomics (JI/HGA)	C - Metabolomics (JI/HGA)	S - Metabolomics (JI/HGA)	Science and Journalism (SG)
15H		Practical workshop or Read and analyze articles	S - Metabolic syndrome / epidemi. (JP) <small>Practical</small>	Practical workshop or Read and analyze articles	
17H				Rencontre carrières (Dorigny)	

**WEEK 6: 25.03 to 29.03**

	mo 25	tu 26	we 27	th 28	fr 29
8H	Visit to the clinic Kelly DA SILVA BERNARDES	S-Nutritional Physiology (AM)	C-Metabolism and cell death (FA)	C-Metabolism and cell death (FA)	S-Metabolism and cancer (LF)
10H		C-Circadian rhythm and metabo (DG)	C - Stem cell and metabolism(MK)	C - Stem cell and metabolism(MK)	S-Circadian rhythm and metabo (DG)
12H					
13H	Common courses Clinical Medicine	C - Stem cell and metabolism(MK)	Practical workshop or Read and analyze articles	S - Brain metabolism (LP)	Practical workshop or Read and analyze articles
15H		Practical workshop or Read and analyze articles		Practical workshop or Read and analyze articles	
17H					

**WEEK 7: 01.04 to 05.04**

	mo 01	tu 02	we 03	th 04	fr 05
8H	Visit to the clinic	S - what is a calorie? (LT)	S-Metabolism and cell death (FA)	Work at home (evaluation preparation)	Work at home (evaluation preparation)
10H		S - what is a calorie? (LT)	S- Stem cell and metabolism(MK)		
12H					
13H	Common courses Clinical Medicine	Practical workshop or Read and analyze articles	Practical workshop or Read and analyze articles	Work at home (evaluation preparation)	What are former students doing?
15H					
17H					

**WEEK 8: 08.04 to 12.04**

	mo 08	tu 09	we 10	th 11	fr 12
8H	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)
10H					
12H					
13H	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Work at home (evaluation preparation)
15H					
17H					

**EASTER HOLIDAYS: FROM APRIL 19 TO APRIL 26, 2019**

**WEEK 9: 15.04 to 19.04**

	mo 15	tu 16	we 17	th 18	fr 19
8H	Written evaluation	Work at home (evaluation preparation)	Oral evaluation	Oral evaluation	Easter Holiday
10H					
12H					
13H	Work at home (evaluation preparation)	Work at home (evaluation preparation)	Oral evaluation	Oral evaluation	
15H					
17H					

**WEEK 10: 29.04 to 03.05**

	mo 29	tu 30	we 01	th 02	fr 03
8H	Master Work	Master Work	Master Work	Master Work	Master Work
10H					
12H					
13H	Master Work	Master Work	Master Work	Master Work	Master Work
15H					
17H					

**WEEK 11: 06.05 to 10.05**

	mo 06	tu 07	we 08	th 09	fr 10
8H	Master Work	Master Work	Master Work	Master Work	Master Work
10H					
12H					
13H	Master Work	Master Work	Master Work	Master Work	Master Work
15H					
17H					

**WEEK 12: 13.05 to 17.05**

	mo 13	tu 14	we 15	th 16	fr 17
8H	Master Work	Master Work	S-grant presentation (CW)	Master Work	Master Work
10H					
12H					
13H	Master Work	Master Work	Master Work	Master Work	Master Work
15H					
17H					

**WEEK 13: 20.05 to 24.05**

	mo 20	tu 21	we 22	th 23	fr 24
8H	Master Work	Master Work	Master Work	Master Work	Dies Academicus
10H					
12H					
13H	Master Work	Master Work	Master Work	Master Work	
15H					
17H					

**WEEK 14: 27.05 to 31.05**

	mo 27	tu 28	we 29	th 30	fr 31
8H	Master Work	Master Work	Evaluation of the course and feedback from the students	Ascension	Master Work
10H					
12H					
13H	Master Work	Master Work	Master Work		Master Work
15H					
17H					