

# Master of Science in Molecular Life Sciences - Autumn 2022 -

Teaching	Abbreviation	Responsible	Room	Hours	Other
<b>General and common activities - Compulsory</b>					
Welcome Day/Retreat MSc MLS		Benton R.	20.09.22, 09:00-16:00 : POL/336		
Sequence a Genome I		Engel P., tutors	CUB/II <b>except:</b> - 27+29.09.22 : POL/201,203,205 - 01.11.22 14:00-18:00 : POL/201	14 C + 30 E	
Write a Review		Benton R., tutors	consult the responsible <b>except:</b> 28.09.+ 05+12.10.22 : POL/336	15h cours/contact 42h personal work	
Critical Readings of Scientific Literature (14 x 4 hours)				56h	
First Step Project		all Pls	<b>Presentations :</b> 21-22.12.22 : GEN/2016	250h	
<b>Optional courses</b>					
Biotechnology	<b>BIOTECH</b>	Poirier Y.	POL/201	14 C Cours/Literatures	
CRISPR-Cas9 Genome Editing	<b>CRISPR</b>	van Leeuwen J.	POL/453 <b>except:</b> 23.09.22 : POL/334	4 C + 2 E + 8 PW Cours/Exercises/Practicals	
Development of the Nervous System	<b>NERV</b>	Braissant O.	POL/336	14 C Cours/Literatures	
Molecular Mechanisms of Evolution	<b>MME</b>	Benton R., Geldner N.	POL/201	14 C Cours/Literatures	
Plant Functional Genetics	<b>PFG</b>	Poirier Y.	POL/336	14 C Cours/Literatures	
Proteins : from Structural Determination to Molecular Dynamic Simulations	<b>PSD</b>	Santiago Cuellar J.	POL/201	16 C Cours/Literatures	
Scientific Research in all its Forms for Biology (Sciences2) (in French only)	<b>SRF</b>	Preissmann D.	MAX/412	14 C Cours/Literatures	Sciences2
Advanced Microbial Genetics	<b>AMG</b>	Collier J., Pelet S.	POL/336	14 C Cours/Literatures	
Bacterial Genomes and Genome Evolution	<b>BGG</b>	van der Meer J.	POL/201 <b>except:</b> 24.10.22 : POL 340	14 C Cours/Literatures/Exercises	
Fungal Virulence and Pathogenicity	<b>FVP</b>	Coste A., Lamoth F., Hauser P.	IMUL, Bugnon 48, room 502	14 C Cours/Literatures	
Immunology and Infectious Diseases	<b>IMMU</b>	Roger T., Perreau M., Di Domizio J.	POL/336	14 C Cours/Literatures	
Plant Interactions with Microbes and Insects	<b>PMI</b>	Keel C., Reymond P.	POL/336	14 C Cours/Literatures	
Virus-Host Interactions	<b>VHI</b>	Gouttenoire J.	POL/336	14 C Cours/Literatures	
<b>Optional support :</b> <b>Introduction to R (Introduction to Data Analysis)</b>		Schütz F.	GEN/C	24 E	BSc2
BIG Seminars		Benton R.	BIO/Amphi		
Meeting of School of Biology : 20.09.2022			POL/A		All MSc
Introduction to Biological Security : 23.09.2022		Van Bemmelen M.	POL/D	2 C	All MSc

Schedule\_start of lessons :

UNIL-Sorge : 08:00 - 09:00 - 10:15 - 11:15 - 12:15 - 13:15 - 14:15 - 15:15 - 16:15 - 17:15  
Others : 08:15 - 09:15 - 10:15 - 11:15 - 12:15 - 13:15 - 14:15 - 15:15 - 16:15 - 17:15

Building :

BIO: Biophore MAX: Amphimax CUB: Cubotron  
GEN: Genopode POL: Amphipôle

**WEEK 1: 19.09 to 23.09**

	mo 19	tu 20	we 21	th 22	fr 23	
8H	Jeûne Fédéral	Meeting SB	Retreat	Personal Research Work	CRISPR  POL/334	
10H		Welcome Day  POL/336		Retreat	Personal Research Work	Intro Biological Security
12H					Personal Research Work	Personal Research Work
14H		Write a review		Retreat	Personal Research Work	Personal Research Work
16H					Personal Research Work	Personal Research Work
18H					Personal Research Work	Personal Research Work

**WEEK 2: 26.09 to 30.09**

	mo 26	tu 27	we 28	th 29	fr 30
8H	IMMU	Personal Research Work	Sequence genome  POL/201	Write a review POL/336	Sequence genome
10H		MME	Sequence genome  POL/201	Intro to R	POL/201
12H					
14H	AMG	Personal Research Work	Sequence genome  POL/201	Personal Research Work	Sequence genome POL/201  (seed cells)
16H		Personal Research Work	Sequence genome  POL/201	Personal Research Work	Personal Research Work
18H		Personal Research Work	Sequence genome  POL/201	Personal Research Work	Personal Research Work

**WEEK 3: 03.10 to 07.10**

	mo 03	tu 04	we 05	th 06	fr 07
8H	AMG	Personal Research Work	Sequence genome	Personal Research Work	Personal Research Work
10H		Sequence genome	Intro to R	Personal Research Work	Personal Research Work
12H					
14H	IMMU	MME	Sequence genome	Write a review POL/336	Personal Research Work
16H	BIG seminar		Sequence genome	Personal Research Work	Personal Research Work
18H			SRF		

**WEEK 4: 10.10 to 14.10**

	mo 10	tu 11	we 12	th 13	fr 14
8H	IMMU	MME	Sequence genome	Write a review	Personal Research Work
10H		MME	Sequence genome  POL/201	Intro to R	Personal Research Work
12H			(change media)		
14H	AMG	MME	Sequence genome	CRISPR	Personal Research Work
16H		MME	Sequence genome  POL/201	CRISPR	CRISPR
18H		MME	Sequence genome  POL/201	CRISPR	CRISPR

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**WEEK 5: 17.10 to 21.10**

	mo 17	tu 18	we 19	th 20	fr 21
8H		Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
10H	AMG	Personal Research Work	Intro to R	Personal Research Work	Personal Research Work
12H					
14H		Write a review	Personal Research Work	Personal Research Work	Personal Research Work
16H	IMMU	Personal Research Work	SRF	Personal Research Work	Personal Research Work
18H					

**WEEK 6: 24.10 to 28.10**

	mo 24	tu 25	we 26	th 27	fr 28
8H	BGG POL/340	NERV	Personal Research Work	Personal Research Work	Personal Research Work
10H			Intro to R	Personal Research Work	Personal Research Work
12H					
14H	VHI	PSD	Write a review	Personal Research Work	Personal Research Work
16H		Personal Research Work	Personal Research Work	SRF	Personal Research Work
18H					

**WEEK 7: 31.10 to 04.11**

	mo 31	tu 01	we 02	th 03	fr 04
8H	BGG	NERV	Sequence genome	Write a review	Personal Research Work
10H			Intro to R	Personal Research Work	Personal Research Work
12H					
14H	VHI	PSD	Sequence genome	Personal Research Work	Personal Research Work
16H		POL/201	SRF	Personal Research Work	Personal Research Work
18H					

**WEEK 8: 07.11 to 11.11**

	mo 07	tu 08	we 09	th 10	fr 11
8H	VHI	PSD	Sequence genome	Write a review	Personal Research Work
10H			Intro to R	Personal Research Work	Personal Research Work
12H					
14H	BGG	NERV	Personal Research Work	Personal Research Work	Personal Research Work
16H	BIG seminar		SRF	Personal Research Work	Personal Research Work
18H					

**WEEK 9: 14.11 to 18.11**

	mo 14	tu 15	we 16	th 17	fr 18
8H		PSD	Personal Research Work	Personal Research Work	Personal Research Work
10H	VHI	Sequence genome	Intro to R	Personal Research Work	Personal Research Work
12H					
14H	BGG	NERV	Personal Research Work	Personal Research Work	Personal Research Work
16H		Personal Research Work	SRF	Personal Research Work	Personal Research Work
18H					

**WEEK 10: 21.11 to 25.11**

	mo 21	tu 22	we 23	th 24	fr 25
8H	PFG	FVP	Sequence genome	PSD	Personal Research Work
10H			Intro to R	Personal Research Work	Personal Research Work
12H					
14H	PMI	BIOTECH	Personal Research Work	Personal Research Work	Personal Research Work
16H			Personal Research Work	Personal Research Work	Personal Research Work
18H					

**WEEK 11: 28.11 to 02.12**

	mo 28	tu 29	we 30	th 01	fr 02
8H	PMI	BIOTECH	Sequence genome	Personal Research Work	Personal Research Work
10H			Intro to R	Personal Research Work	Personal Research Work
12H					
14H	PFG	FVP	Personal Research Work	Personal Research Work	Personal Research Work
16H			Personal Research Work	Personal Research Work	Personal Research Work
18H					

**WEEK 12: 05.12 to 09.12**

	mo 05	tu 06	we 07	th 08	fr 09
8H	PFG	FVP	Personal Research Work	Personal Research Work	Personal Research Work
10H			Personal Research Work	Personal Research Work	Personal Research Work
12H					
14H	PMI	BIOTECH	Personal Research Work	Intro to R	Personal Research Work
16H	BIG seminar		Personal Research Work	Personal Research Work	Pour info: Remise BSc biol UNIL dès 17h
18H					

**WEEK 13: 12.12 to 16.12**

	mo 12	tu 13	we 14	th 15	fr 16
8H	PMI	BIOTECH	Personal Research Work	Personal Research Work	Personal Research Work
10H			Personal Research Work	Personal Research Work	Personal Research Work
12H					
14H	PFG	FVP	Personal Research Work	Personal Research Work	Personal Research Work
16H	Personal Research Work		Personal Research Work	Personal Research Work	Personal Research Work
18H					

**WEEK 14: 19.12 to 23.12**

	mo 19	tu 20	we 21	th 22	fr 23
8H	Personal Research Work	Personal Research Work	Presentation first step projects GEN/2016	Presentation first step projects GEN/2016	
10H					
12H					
14H	Personal Research Work	Personal Research Work			
16H					
18H					