

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

Teaching	Responsible	Room	Hours	Other
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: 28.09. and 05+12.10.22</b> : 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	
Data Analysis	Bergmann S.	POL/336	6 C + 6 PW +pers. work Lectures/ Practicals	BEC
Advanced Data Analysis	Ciriello G., Delaneau O.	POL/336	6 C + 6 PW +pers. work Lectures/ Practicals	BEC
Theory and Practice in Gene Expression Analyses	Gfeller D., Delaneau O.	POL/334	4 C + 32 E	
Advanced Python Programming	Salamin N., Delaneau O.	POL/201 <b>except : 14.10.22 : POL/319</b>	7 C + 14 E	BEC
<b>Optional support :</b> Introduction to R (Introduction to Data Analysis)	<b>Schütz F.</b>	<b>GEN/C</b>	<b>24 E</b>	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 CUB: Cubotron  
 POL: Amphipôle GEN: Genopode

**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	Data Analysis	
10H		Welcome Day POL/336		Retreat		
12H						
14H				Personal Research Work	Intro Biological Security	
16H		Write a review		Personal Research Work	Personal Research Work	
18H						

**WEEK 2: 26.09 to 30.09**

	mo 26	tu 27	we 28	th 29	fr 30
8H	Personal Research Work	Sequence genome	Write a review POL/336	Sequence genome	Data Analysis
10H		POL/201	Intro to R	POL/201	
12H					
14H	Personal Research Work	Sequence genome	Personal Research Work	Sequence genome POL/201	Personal Research Work
16H		POL/201		Personal Research Work	Personal Research Work
18H					

**WEEK 3: 03.10 to 07.10**

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

**WEEK 4: 10.10 to 14.10**

	mo 10	tu 11	we 12	th 13	fr 14
8H	Personal Research Work	Sequence genome	Write a review	Advanced Python Programming	Advanced Python Programming
10H			Intro to R		POL/319
12H					
14H	Personal Research Work	Sequence genome	Personal Research Work	Personal Research Work	Personal Research Work
16H					
18H					

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

**WEEK 5: 17.10 to 21.10**

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

**WEEK 6: 24.10 to 28.10**

	mo 24	tu 25	we 26	th 27	fr 28
8H	Advanced Python Programming	Personal Research Work	Personal Research Work	Advanced Python Programming	Personal Research Work
10H			Intro to R		
12H					
14H	Personal Research Work	Write a review	Personal Research Work	Personal Research Work	Personal Research Work
16H		Personal Research Work			
18H					

**WEEK 7: 31.10 to 04.11**

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

**WEEK 8: 07.11 to 11.11**

	mo 07	tu 08	we 09	th 10	fr 11
8H	Personal Research Work	Sequence genome	Write a review	Advanced Data Analysis	Personal Research Work
10H			Intro to R		
12H					
14H	Theory & Practice Gene Expr. Analyses I BIG seminar	Theory & Practice Gene Expression Analyses I	Personal Research Work	Theory & Practice Gene Expression Analyses I	Personal Research Work
16H					
18H					

**WEEK 9: 14.11 to 18.11**

	mo 14	tu 15	we 16	th 17	fr 18
8H	Personal Research Work	Sequence genome	Personal Research Work	Advanced Data Analysis	Personal Research Work
10H			Intro to R		
12H					
14H	Theory & Practice Gene Expression Analyses II	Theory & Practice Gene Expression Analyses II	Personal Research Work	Theory & Practice Gene Expression Analyses II	Personal Research Work
16H					
18H					

**WEEK 10: 21.11 to 25.11**

	mo 21	tu 22	we 23	th 24	fr 25
8H	Personal Research Work	Sequence genome	Personal Research Work	Advanced Data Analysis	Personal Research Work
10H			Intro to R		
12H					
14H	Theory & Practice Gene Expression Analyses III	Theory & Practice Gene Expression Analyses III	Personal Research Work	Theory & Practice Gene Expression Analyses III	Personal Research Work
16H					
18H					

**WEEK 11: 28.11 to 02.12**

	mo 28	tu 29	we 30	th 01	fr 02
8H	Personal Research Work	Sequence genome	Personal Research Work	Personal Research Work	Personal Research Work
10H			Intro to R		
12H					
14H	Theory & Practice Gene Expression Analyses IV	Theory & Practice Gene Expression Analyses IV	Personal Research Work	Theory & Practice Gene Expression Analyses IV	Personal Research Work
16H					
18H					

**WEEK 12: 05.12 to 09.12**

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

**WEEK 13: 12.12 to 16.12**

	mo 12	tu 13	we 14	th 15	fr 16
8H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
10H					
12H					
14H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
16H					
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	Presentation first step projects GEN/2016	Presentation first step projects GEN/2016	
16H					
18H					