

# Master of Science in Molecular Life Sciences - Mention Bioinformatics Autumn 2019

Teaching	Responsible	Room	Hours
Retreat and BIG Seminars	Benton R. +...	BIO/Amphi (seminars)	
Sequence a Genome I	van der Meer J., Engel P., others	CUB/II <b>except: 19.09.19 : POL/201 24.09.19 pm : POL/319</b>  <b>and 19-24.09.19 : POL/203, 205</b>	14 C + 30 E
Write a Review	Benton R., + tutors	consult the responsible <b>except: 17.09.19 : BIO/2917.2 and 25.09.19 : BIO/1929 and 02.10.19 : GEN 4026</b>	15h cours/contact 42h personal work
<b>Critical Readings of Scientific Literature (14 x 4 hours)</b>			<b>56h</b>
First Step Project	all Pls	<b>Presentations : 18-19.12.19 : GEN/2016.1</b>	250h
Data Analysis	Robinson M.	POL/336	6 C + 6 PW +pers. work Lectures/ Practicals
Advanced Data Analysis	Robinson M.	POL/336	6 C + 6 PW +pers. work Lectures/ Practicals
Advanced Quantitative Genetics	Robinson M.	POL/334, BIO/1929	10 C + 7 E
Case Studies in Bioinformatics	Bergmann S., Gfeller D., Ciriello G.	POL/334	4 C + 32 E
Programming for Bioinformatics	Salamin N.	POL/201 <b>except: 11.10.19 : POL/319</b>	7 C + 14 E
<b>Optional support :</b>			
<b>Introduction to R (Advanced Data Analysis in Biology)</b>	<b>Schütz F.</b>	<b>GEN/C</b>	<b>24 E</b>
Meeting of School of Biology : 17.09.2019		BIO/Amphi	
<b>Introduction to Biological Security : 19.09.2019</b>		<b>Van Bemmelen M.</b>	<b>CUB/I</b>
			<b>2 C</b>

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

**WEEK 1: 16.09 to 20.09**

	mo 16	tu 17	we 18	th 19	fr 20	
8H	<b>Jeûne Fédéral</b>	Meeting SB	retreat	Sequence genome <b>POL/201</b>	Data Analysis	
10H		Write a review <b>BIO/2917.2</b>				
12H						
14H					Intro Biological Security	Personal Research Work
16H					Sequence genome <b>POL/201</b>	
18H						

**WEEK 2: 23.09 to 27.09**

	mo 23	tu 24	we 25	th 26	fr 27
8H	Personal Research Work	Sequence genome	Write a review <b>BIO/1929</b>	Personal Research Work	Data Analysis
10H			Intro to R		
12H					
14H	Personal Research Work	Sequence genome <b>POL/319</b>	Personal Research Work	Personal Research Work	Personal Research Work
16H					
18H					

**WEEK 3: 30.09 to 04.10**

	mo 30	tu 01	we 02	th 03	fr 04
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 <b>GEN/4026</b> <b>Epigeum</b>	Personal Research Work	Personal Research Work
16H			Personal Research Work		
18H					

**WEEK 4: 07.10 to 11.10**

	mo 07	tu 08	we 09	th 10	fr 11
8H	Personal Research Work	Sequence genome	Write a review	Programming	Programming
10H			Intro to R		<b>POL/319</b>
12H					
14H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
16H	BIG seminar	Personal Research Work	Programming		
18H					

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**WEEK 5: 14.10 to 18.10**

	mo 14	tu 15	we 16	th 17	fr 18
8H	Programming	Sequence genome	Personal Research Work	Personal Research Work	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 6: 21.10 to 25.10**

	mo 21	tu 22	we 23	th 24	fr 25
8H	Programming	Sequence genome	Personal Research Work	Personal Research Work	Advanced Quantitative Genetics
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: 28.10 to 01.11**

	mo 28	tu 29	we 30	th 31	fr 01
8H	Programming	Sequence genome	Write a review	Personal Research Work	Advanced Quantitative Genetics
10H			Intro to R		
12H					
14H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
16H					
18H					

**WEEK 8: 04.11 to 08.11**

	mo 04	tu 05	we 06	th 07	fr 08
8H	Personal Research Work	Sequence genome	Personal Research Work	Advanced Data Analysis	Advanced Quantitative Genetics
10H			Intro to R		
12H					
14H	Case Studies Bioinfo I	Case Studies Bioinfo I	Personal Research Work	Case Studies Bioinfo I	Personal Research Work
16H	BIG seminar				
18H					

**WEEK 9: 11.11 to 15.11**

	mo 11	tu 12	we 13	th 14	fr 15
8H	Personal Research Work	Sequence genome	Personal Research Work	Advanced Data Analysis	Advanced Quantitative Genetics
10H			Intro to R		
12H					
14H	Case Studies Bioinfo II	Case Studies Bioinfo II	Personal Research Work	Case Studies Bioinfo II	Personal Research Work
16H	Case Studies Bioinfo II				
18H					

**WEEK 10: 18.11 to 22.11**

	mo 18	tu 19	we 20	th 21	fr 22
8H	Personal Research Work	Sequence genome	Personal Research Work	Advanced Data Analysis	Advanced Quantitative Genetics
10H			Intro to R		
12H					
14H	Case Studies Bioinfo III	Case Studies Bioinfo III	Personal Research Work	Case Studies Bioinfo III	Personal Research Work
16H	Case Studies Bioinfo III				
18H					

**WEEK 11: 25.11 to 29.11**

	mo 25	tu 26	we 27	th 28	fr 29
8H	Personal Research Work	Sequence genome	Personal Research Work	Personal Research Work	Personal Research Work
10H			Intro to R		
12H					
14H	Case Studies Bioinfo IV	Case Studies Bioinfo IV	Personal Research Work	Case Studies Bioinfo IV	Personal Research Work
16H	Case Studies Bioinfo IV				
18H					

**WEEK 12: 02.12 to 06.12**

	mo 02	tu 03	we 04	th 05	fr 06
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	BIG seminar				
18H					

**WEEK 13: 09.12 to 13.12**

	mo 09	tu 10	we 11	th 12	fr 13
8H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work
10H			Intro to R		
12H					
14H	Personal Research Work	Personal Research Work	Personal Research Work	Personal Research Work	Pour info: Remise BSc biol UNIL dès 17h
16H					
18H					

**WEEK 14: 16.12 to 20.12**

	mo 16	tu 17	we 18	th 19	fr 20
8H	Personal Research Work	Personal Research Work	Presentation first step projects GEN/2016.1	Presentation first step projects GEN/2016.1	
10H					
12H					
14H	Personal Research Work	Personal Research Work	Presentation first step projects GEN/2016.1	Presentation first step projects GEN/2016.1	
16H					
18H					