

Curriculum
Interdisciplinary PhD Studies in Biomedical Research and Biostatistics
for a cycle of education beginning in the academic year 2018/2019

I year – 2018/2019

No	Course	Obligatory (O) /Facultative (F)	Number of hours			ECTS points	Final evaluation (credit/exam)
			Lectures	Seminars	Classes		
1	Basic statistics refreshment (5-day tutorial)	O	10	-	20	2	Credit
2	Principles of genetic analysis	O	6	-	-	1	Credit
3	Learning techniques of molecular biology	O	-	-	10	2	Exam
4	Statistical modeling (5-day tutorial)	O	10	-	20	2	Credit
5	Design of experiments (3-day tutorial)	O	12	-	6	2	Exam
6	Introduction to genomics	O	6	-	-	1	Credit
7	Learning methods used in structural and functional genomics	O	-	-	10	2	Exam
8	Facultative advanced courses in molecular biology and genomics	F	-	-	50	4	Credit
9	Occupational Health and Safety	O	4	-	-	-	Credit
10	Participation (as a co-lecturer) in running labs and seminars for students of MUB	O	-	-	10	1	Credit
Razem						O – 13 F – 4	

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II year – 2019/2020

No	Course	Obligatory (O) /Facultative (F)	Number of hours			ECTS points	Final evaluation (credit/exam)
			Lectures	Seminars	Classes		
1	Statistics for “omics” experiments part I (3-day tutorial)	O	6	-	12	2	Credit
2	Protein analysis and proteomics	O	12	-	20	6	Exam
3	Statistics for “omics” experiments part II (3-day tutorial)	O	6	-	12	2	Exam
4	Metabolomics	O	6	-	10	3	Exam
5	Facultative advanced courses in protein analysis /proteomics /metabolomics	F	-	-	50	4	Credit
6	Participation (as a co-lecturer) in running labs and seminars for students of MUB	O	-	-	10	1	Credit
Razem						O – 14 F – 4	

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III year – 2020/2021

No	Course	Obligatory (O) /Facultative (F)	Number of hours			ECTS points	Final evaluation (credit/exam)
			Lectures	Seminars	Classes		
1	Didactic Methods in the biomedical sciences or Teaching the presentation and evaluation of research at the academic level (to be chosen by students)	O	-	-	30	5	Credit
2	Immunology	O	6	-	10	2	Exam
3	Facultative Advanced Courses in Immunology	F	-	-	15	1	Credit
4	Participation (as a co-lecturer) in running labs and seminars for students of MUB	O	-	-	10	1	Credit
Razem						O – 8 F – 1	

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IV year – 2021/2022

No	Course	Obligatory (O) /Facultative (F)	Number of hours			ECTS points	Final evaluation (credit/exam)
			Lectures	Seminars	Classes		
1	Participation (as a co-lecturer) in running labs and seminars for students of MUB	O	-	-	10	1	Credit
Razem						O – 1 F – 0	