

M2 - RNAseq module

	Monday	Tuesday	Wednesday	Thursday	Friday
	Complete day : HaF 551C	Complete day : HaF 434C	Complete day : HaF 434C	Complete day : HaF 434C	Complete day : HaF 434C
9 h 30	General introduction & NGS (SC)	PRACTICAL SESSION 2 Galaxy, quality check (SC, CVD & YC) 9h30-11h	PRACTICAL SESSION 4 Mapping qual & Mapping visualisation (SC, CVD & YC) 11h30	Lecture 8: Statistics for RNAseq (CVD) 9h30 - 10h45	Lecture 9: Functional annotation, clustering, GSE (SC) 9h30 - 11h15
10 h 00	9h30 - 10h				
10 h 30	NGS technologies - short overview (CVD) 10h-10h30 break: 10h30 - 10h45				
11 h 00	Lecture 1 : RNA seq, possibilities and specificities, overview (SC) 10h45-11h45	break: 11h - 11h15	break: 10h45 - 11h		
11 h 30	Presentation of study (SC) 11h45-12h15	Lecture 4: Mapping (CVD) 11h15 - 12h30	break: 11h30 - 11h45	break: 11h15-11h30	
12 h 00			Lecture 6: Normalisation and quantification of expression (CVD) 11h45 - 12h45	PRACTICAL SESSION 6 Introduction to R (optional) (CVD & SC) 11h - 12h30	PRACTICAL SESSION 7 Gene Ontology & enrichment (SC) & CVD) 11h30 - 12h30
12 h 30					
13 h 00	lunch break: 12h15-13h15	lunch break: 12h45-14h	lunch break: 12h45-14h	lunch break: 12h30-13h45	lunch break: 12h30-14h
13 h 30	Lecture 2: Samples, libraries, and databases (CVD) 13h15 - 14h45				
14 h 00		PRACTICAL SESSION 3 mapping (SC & CVD) 14h-16h	PRACTICAL SESSION 5 Read count (SC & CVD) 14h-15h30	PRACTICAL SESSION 7 Search for differentially expressed genes (SC, CVD & YC) 13h45 - 16h30	Final Exam : MCQ 14h-14h30
14 h 30					Final Examination (SC & CVD) 14h30 - 15h30
15 h 00	MiniPractical 1 : Data search in database (SC & CVD) 14h45-15h15 break: 15h15- 15h30		break: 15h30 - 15h45		
15 h 30		break: 16h00 - 16h15	Lecture 7: Basic Statistics (CVD) 15h45-16h45		
16 h 00	Lecture 3: Raw data and QC (CVD) 15h30-16h30	Lecture 5: Mapping output (CVD) 16h15-17h15		Personal work of students (SC) 16h30-17h30	
16 h 30					
17 h 00	Personal work of students (SC & CVD) 16h30 - 18h	Personal work of students (SC & CVD) 17h15 - 18h	Personal work of students (SC & CVD) 16h45 - 18h		
17h30					
18h00					