

Room	Practical	Date	In Class Time	Course Topic
1.21 (B28)		21-sept	16-18	CH1: Bioinformatics in a nutshell
1.21 (B28)		28-sept	16-18	CH2: Introduction to genetics
1.21 (B28)		5-oct	16-18	CH3: Sequence analysis
	HW1 due 26 oct (sequence alignment) (motif detection)	5-oct	18-18.30	Olivier
1.21 (B28)	HW3: on phylogeny (by guest professor) -	19-oct	16-18	CH4: Guest class Prof Westra: phylogenetic trees
1.21 (B28)	due 23 Nov	26-oct	15-17.30	CH4+CH5: Comparing sequences
	HW2 due 9 nov (sequence comparisons)	26-oct	17.30-18	Olivier
1.21 (B28)	HW4 due 23 nov (GWA for populations)	9-nov	14-17	CH6: Genetics and population analysis
1.21 (B28)	Part 1: GWAs for populations - 30 Nov	9-nov	17-18.30	Kristel
1.21 (B28)		16-nov	14-18.00	CH7: A world of interactions
1.21 (B28)	HW4 continued (due 14 Dec)	16-nov	18.00-18.30	Olivier
1.21 (B28)	Part 2: mining and clustering algorithms			
1.21 (B28)		23-nov	14-18	CH8: Genetics and family-based analysis
1.21 (B28)		30-nov	13-17 (or longer when needed)	Feedback homeworks and recap theory class

: practical sessions by Olivier

Room	Date	In Class Software Practical may include	Optional
1.21 (B28)	21-sept		
1.21 (B28)	28-sept		CH3: Data bases
1.21 (B28)	5-oct		
	5-oct	R and Bioconductor: a gentle introduction R - Biostrings / Bsgenome / ShortRead /	
1.21 (B28)	19-oct		
1.21 (B28)	26-oct		
	26-oct	R - BiomaRT / BLAST / FASTA R - exploRase / Ggobi / GenomeGraph	R - GOAT
1.21 (B28)	9-nov		
1.21 (B28)	9-nov	Genetics /SNPassoc	PLINK with R plugin
1.21 (B28)	16-nov		
1.21 (B28)	16-nov	R- random forests and mining link with finding interactions	
1.21 (B28)	23-nov	R GenAbel	PBAT for R Pedcut
1.21 (B28)	30-nov		
