

Graduate school – Bioinformatics sequence analysis 2021

Date	Time	Location	Hours	Type	Subject	Teacher	Afdeling
8 March 2021 (Monday)	09.30-10.30		1	Lecture	Introduction	Barbera van Schaik	EDS- Bioinformatics laboratory
	10.30-11.30		1	Lecture	Sequencing techniques	Marja Jakobs	Genome analysis
	11.30-13.30				break		
	13.30-16.00		2.5	Computer practicum	Introduction	Aldo Jongejan	EDS- Bioinformatics laboratory
	evening		1	Preparations @ home	Introduction Unix/Linux	Self study	
9 March 2021 (Tuesday)	09.30-10.30		1	Lecture	Data pre-processing	Barbera van Schaik	EDS- Bioinformatics laboratory
	10.30-12.00		1.5	Lecture	Pairwise sequence alignment	Barbera van Schaik	EDS- Bioinformatics laboratory
	12.00-13.00				break		
	13.00-14.30		1.5	Lecture	Multiple sequence and NGS alignment	Barbera van Schaik	EDS- Bioinformatics laboratory
	14.30-16.30		2	Computer practicum	Galaxy sequence alignment	Barbera van Schaik	EDS- Bioinformatics laboratory
	evening		1	Preparations @ home	Introduction R	Self study	
10 March 2021 (Wednesday)	10.00-12.00		2	Lecture	Exome sequencing	Antoine van Kampen	EDS- Bioinformatics laboratory
	12.00-13.00				break		
	13.00-17.00		4	Computer practicum	CP Exome sequencing	Antoine, Barbera	EDS- Bioinformatics laboratory
11 March 2021 (Thursday)	11.30-12.30		1	Lecture	Neuroblastoma	Jan Koster	Oncogenomics
	12.30-13.30				break		
	13.30-16.30		3	Computer practicum	Introduction into R2: Genomics Analysis and Visualization Platform (r2.amc.nl)	Jan Koster	Oncogenomics
12 March 2021 (Friday)	09.00-11.00		2	Lecture	RNA sequencing	Perry Moerland	EDS- Bioinformatics laboratory
	11.00-12.30		1.5	Computer practicum	CP RNA sequencing	Perry, Aldo	EDS- Bioinformatics laboratory
	12.30-13.15				break		
	13.15-14.30		1.5	Computer practicum	CP RNA sequencing	Perry, Aldo	EDS- Bioinformatics laboratory
	14.30-15.30		1	Lecture	Single-cell RNA sequencing	Perry Moerland	EDS- Bioinformatics laboratory
	15.30-16.00		0.5	Closing	Certificates	Barbera van Schaik	EDS- Bioinformatics laboratory