

Day 1 - Monday 9 March 2020

Time	Speaker
09.30 – 11.00	Arrival & Welcome Illumina presentation
11.15 – 13.00	Tips and tricks on RNAseq <i>Vladimir Benes</i>
13.00 - 13.45	Lunch
14.00 - 15.30	Tips and tricks on RNAseq <i>Vladimir Benes</i>
15.30 – 17:00	R pills theory <i>Marco Beccuti</i>

Day 2 - Tuesday 10 March 2020

Time	Speaker
09.00 - 11.00	R pills theory and practice <i>Marco Beccuti</i>
11.00 - 11.30	Coffee break
11.30 - 12.30	Experimental design. <i>Raffaele Calogero</i>
12.30 - 13.30	Lunch
	Docker4seq/4SeqGUI overview
13.30 - 15.30	<i>Raffaele Calogero</i>
	Docker container: What is it? <i>Marco Beccuti</i>
15.30 - 16.00	Coffee Break
16.00 - 17.00	Counting reads using docker containers <i>Raffaele Calogero</i>
17.00 - 18.00	R pills theory and practice <i>Marco Beccuti</i>

Day 3 - Wednesday 11 March 2020

Time	Speaker
09.00 - 10.00	R pills theory and practice <i>Marco Beccuti</i>
10.00 - 11.00	Differential expression analysis <i>Raffaele Calogero</i>
11.00 - 11.30	Coffee Break
11.30 - 12.30	Differential expression analysis and batch effect correction using docker containers <i>Raffaele Calogero</i>
12.30 - 13.30	Lunch
13.30 - 14.30	GO enrichment and GSEA analysis <i>Francesca Cordero</i>

Day 3 - Wednesday 11 March 2020

Time	Speaker
14.30 - 15.30	Exercises
15.30 - 16.30	Data visualization, data reduction and clustering <i>Francesca Cordero</i>
16.30 - 17.00	Coffee Break
17.00 - 18.00	R pills theory and practice <i>Marco Beccuti</i>

Day 4 - Thursday 12 March 2020

Time	Speaker
09.00 -10.00	R pills theory and practice <i>Marco Beccuti</i>
10.00 - 11.00	miRNA differential expression analysis <i>Francesca Cordero</i>
11.00 - 11.30	Coffee break
11.30 - 12.30	miRNA differential expression analysis <i>Francesca Cordero</i>
12.30 - 13.30	Lunch
13.30 - 14.30	Single cells RNAseq workflow <i>Raffaele Calogero</i>
14.30 - 16.30	Single cells RNAseq workflow <i>Raffaele Calogero</i>
16.30 - 17.00	Coffee Break
17.00 - 18.00	R pills theory and practice <i>Marco Beccuti</i>
20.30	Social Dinner

Day 5 - Friday 13 March 2020

Time	Speaker
09.00 - 11.00	Exercises
11.00 - 11.30	Coffee Break
11.30 - 13.00	Exercises
13.00 - 14.00	Lunch break
	Final remarks
14.00 - 14.30	<i>Raffaele Calogero, Marco Beccuti Francesca Cordero, Illumina team</i>