



Whole Transcriptome Data Analysis

EMBL COURSE

We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

Got something to say? Tweet it with [#EMBLdataanalysis](https://twitter.com/EMBLdataanalysis)

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Day 1 - Sunday 7 October 2018

Time	Speaker	Location
14.00 - 14.30	Arrival & Welcome	ISG Hotel, Meeting Room
14.30 - 16.30	Tips and tricks on RNAseq <i>Vladimir Benes</i>	ISG Hotel, Meeting Room
16.30 - 17.00	Coffee Break	ISG Hotel, Foyer
17.00 - 18.00	Tips and tricks on RNAseq <i>Vladimir Benes</i>	ISG Hotel, Meeting Room
18.00 - 19.00	Dinner	ISG Hotel, Restaurant

Day 2 - Monday 8 October 2018

Time	Speaker	Location
08.30 - 10.00	R pills theory and practice <i>Marco Beccuti</i>	EMBL, Computer Training Lab
10.00 - 11.00	Experimental design Docker4seq/4SeqGUI overview <i>Raffaele Calogero</i>	Computer Training Lab
11.00 - 11.30	Coffee Break	Foyer
11.30 - 12.30	Docker container: What is it? <i>Marco Beccuti</i>	Computer Training Lab
12.30 - 13.30	Lunch	EMBL Canteen
13.30 - 15.30	Counting reads using docker containers <i>Raffaele Calogero</i>	Computer Training Lab
15.30 - 16.30	Exercises	Computer Training Lab
16.30 - 17.00	Coffee Break	Foyer
17.00 - 18.00	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
18.00 - 19.00	Dinner	EMBL Canteen
19.00	Shuttle bus to ISG Hotel	

Day 3 - Tuesday 9 October 2018

Time	Speaker	Location
08.30 - 11.00	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
11.00 - 11.30	Coffee Break	Computer Training Lab
11.30 - 12.30	Differential expression analysis and batch effect correction using docker containers <i>Raffaele Calogero</i>	Computer Training Lab

Time	Speaker	Location
12.30 - 13.30	Lunch	EMBL Canteen
13.30 - 14.30	Anova-like differential expression <i>Raffaele Calogero</i>	Computer Training Lab
14.30 - 15.30	Exercises	Computer Training Lab
15.30 - 16:30	Data visualization and clustering <i>Francesca Cordero</i>	Computer Training Lab
16.30 - 17.00	Coffee Break	Foyer
17.00 - 18.00	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
18.00 -19.00	Dinner	EMBL Canteen
19.00	Shuttle bus to ISG Hotel	

Day 4 - Wednesday 10 October 2018

Time	Speaker	Location
08.30 - 10.00	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
10.00 - 11.00	GO enrichment and GSEA analysis (EnrichR and Broad Institute GSEA) <small>[1] [SEP]</small> <i>Francesca Cordero</i>	Computer Training Lab
11.00 - 11.30	Coffee break	Foyer
11.30 - 12.30	GO enrichment and GSEA analysis exercises <small>[1] [SEP]</small> <i>Francesca Cordero</i>	Computer Training Lab
12.30 - 13.30	Lunch	EMBL Canteen
13.30 - 15.00	miRNA differential expression analysis exercises	Computer Training Lab
15.00 - 16.30	Integrating miRNA data and gene level differential expression <i>Francesca Cordero</i>	Computer Training Lab
16.30 - 17.00	Coffee Break	Foyer

Time	Speaker	Location
17.00 - 17.30	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
17.30	Shuttle bus to downtown	
19.00	Dinner downtown	Heidelberg downtown

Day 5 - Thursday 11 October 2018

Time	Speaker	Location
09.00 - 11.00	Exercises	Computer Training Lab
11.00 - 11.30	Coffee Break	Foyer
11.30 - 12.30	Exercises	Computer Training Lab
12.30 - 13.30	Lunch	EMBL Canteen
13.30 - 15.00	Exercises	Computer Training Lab
15.00 - 15.30	Coffee Break	Foyer
16.00 - 17.00	Round table & final remarks <i>Vladimir Benes, Raffaele Calogero, Marco Beccuti</i>	Computer Training Lab
17.00	Shuttle bus to Main Station	EMBL-Main Station