



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 The content below is no longer being updated.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](#)

Day 1 - Monday 30 September 2019


Time	Speaker	Location
14:00 - 14:30	Arrival & Welcome	Seminar Room B01
14:30 - 16:30	Tips and tricks on RNAseq <i>Vladimir Benes - EMBL Heidelberg, Germany</i>	Seminar Room B01
16:30 - 17:00	Coffee Break	Foyer
17:00 - 18:00	Tips and tricks on RNAseq <i>Vladimir Benes - EMBL Heidelberg, Germany</i>	Seminar Room B01
18:00 - 19:00	Dinner	EMBL Canteen

Day 2 - Tuesday 1 October 2019

Time	Speaker	Location
08.30 - 10:00	R pills theory and practice <i>Marco Beccuti</i>	Computer Training Lab
10:00 - 11:00	Experimental design <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
11:00 - 11:30	Coffee Break	Foyer
11:30 - 12:30	Docker4seq/4SeqGUI overview <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 14:00	Docker container and reproducibility <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
14:00 - 15:00	QC <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
15:00-15:30	Coffee Break	Foyer
15:30-17:00	Counting reads <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
17:00 -18:00	R pills theory and practice <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
18:00-19:40	Banquet Dinner	EMBL Canteen
19:40	Shuttle bus to ISG Hotel	

Day 3 - Wednesday 2 October 2019

Time	Speaker	Location
08:30 - 10:00	R pills theory and practice <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
10:00 - 11:00	Differential expression analysis <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
11:00 - 11:30	Coffee Break	Foyer
11:30 - 12:30	Differential expression analysis and batch effect correction using docker containers <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab

12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 14:30	Isoforms differential expression  <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
14:30 - 15:30	Exercises	Computer Training Lab
15:30 - 16:30	Mining differential expression results (Ingenuity Pathways Analysis) <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
16:30 - 17:00	Coffee Break	Foyer
17:00 - 18:00	R pills theory and practice <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
18:00 - 19:00	Dinner	EMBL Canteen
19:00	Shuttle bus	

Day 4 - Thursday 3 October 2019

Time	Speaker	Location
08:30 - 10:00	R pills theory and practice <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
10:00 - 11:00	GO enrichment and GSEA analysis <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
11:00 - 11:30	Coffee break	Foyer
11:30 - 12:30	Data visualization, data reduction and clustering <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 14:30	miRNA differential expression analysis <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
14:30 - 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 - University of Turin, Italy</i>	Computer Training Lab

18:00 **Shuttle bus**

18:30 **Social Dinner**

Day 5 - Friday 4 October 2019

Time	Speaker	Location
09:00 - 11:00	Single cells RNAseq workflow ^L _{SEP} <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
11:00 - 11:30	Coffee Break	Foyer
11:30 - 12:30	Single cells RNAseq workflow ^L _{SEP} <i>Raffaele Calogero - University of Turin, Italy</i>	Computer Training Lab
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 16:30	Exercises	Computer Training Lab
16:30 - 16:45	Final remarks <i>Vladimir Benes Vladimir Benes - EMBL Heidelberg, Germany</i> <i>Marco Beccuti - University of Turin, Italy</i>	Computer Training Lab
16:45	Shuttle bus to Main Station	EMBL-Main Station