



EMBL Shift Your DNA and RNA Sequencing Library Preparation into Hyper-Drive

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 The content below is no longer being updated.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

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Day 1 - Monday, 2 July 2018

Time	Speaker	Location
14:00 - 14:30	Arrival & Welcome	Courtyard Room A+B

Time	Speaker	Location
	Keynote Speaker	
14:30 - 15:30	Toumy Guettouche - Roche Sequencing Solutions, USA	Courtyard Room A+B
15:30 - 16:00	Coffee break	Courtyard Room A+B
16:00 - 16:45	Strategies for the construction of high complexity and low-bias NGS libraries Frank Unterseher, Roche Diagnostics, Germany	Courtyard Room A+B
16:45 - 17:30	Library preparation strategies for RNA-Seq Rafael Szczepanowski, Roche Diagnostics, Germany	Courtyard Room A+B
17:30 - 18:00	Planning hands-on part for days 2 & 3 Frank Unterseher, Roche Diagnostics, Germany Rafael Szczepanowski, Roche Diagnostics, Germany	Courtyard Room A+B
18:00 - 19:00	BBQ and 2018 FIFA World Cup Russia™, Round of 16 viewing	ISG Hotel

Day 2 - Tuesday, 3 July 2018

Time	Speaker	Location
09:00 - 10:00	Review of RNA quality and quantity, concentration adjustment	Training Lab A
10:00 - 10:30	RiboErase reaction	Training Lab A
10:30 - 11:15	Depletion	Training Lab A
11:15 - 11:45	Clean up	Training Lab A
11:45 - 12:15	DNase digest	Training Lab A
12:15 - 13:15	Lunch break	EMBL Canteen
13:15 - 13:45	Clean up	Training Lab A
13:45 - 14:45	Elution – Fragmentation – Priming	Training Lab A
14:45 - 15:00	Fragmentation – Priming	Training Lab A
15:00 - 15:50	1st strand synthesis	Training Lab A

Time	Speaker	Location
15:50 - 16:35	2nd strand synthesis	Training Lab A
16:35 - 16:55	Adapter ligation	Training Lab A
16:55 - 17:25	Clean up 1	Training Lab A
17:25 - 17:55	Clean up 2	Training Lab A
17:55 - 18:00	Amplification	Training Lab A
18:00 - 19:00	Dinner at Restaurant Delphi	

Day 3 - Wednesday, 4 July 2018

Time	Speaker	Location
09:00 - 10:00	Sample QC and adjustment	Training Lab A
10:00 - 10:45	Fragmentation (2 times / person)	Training Lab A
10:45 - 11:20	End Repair & A-tailing	Training Lab A
11:20 - 12:00	Adapter Ligation	Training Lab A
12:00 - 12:30	Clean up	Training Lab A
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 - 14:00	Double Sided Size Selection	Training Lab A
14:00 - 14:30	Amplification	Training Lab A
14:30 - 15:00	Clean up	Training Lab A
15:00 - 15:30	KAPA Library Quant kit overview Rafael Szczepanowski, Roche Diagnostics, Germany	Courtyard Room A+B
15:30 - 16:30	QC of RNA and DNA libraries (NanoDrop, Qubit, Bioanalyzer)	Courtyard Room A+B
16:30 - 17:00	Coffee break	Courtyard Room A+B
17:00 - 18:00	Preparation of qPCR	Training Lab A
18:00	Start of qPCR	Training Lab A
18:00	Bus to ISG Hotel, depart of guided tour at 18:30	

Time	Speaker	Location
19:00 - 21:00	Guided Tour of Heidelberg & Course dinner	Downtown Heidelberg

Day 4 - Thursday, 5 July 2018

Time	Speaker	Location
09:00 - 10:00	Systematic analysis of EnigmRBPs. Pushing the limits of RNA sequencing Claudio Asencio Salcedo, EMBL Heidelberg, Germany	Computer Training Lab
10:00 - 12:30	Bioinformatics I Jonathan Landry and Jan Provaznik, EMBL Heidelberg, Germany	Computer Training Lab
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 - 14:30	Analysis of qPCR Results	Computer Training Lab
14:30 - 16:45	Bioinformatics II Jonathan Landry and Jan Provaznik, EMBL Heidelberg, Germany	Computer Training Lab
16:45 - 17:00	Closing remarks and departure	Computer Training Lab