



Single Cell RNA Sequencing

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 The content below is no longer being updated.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

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Day 1 - Tuesday 15 May 2018

Time	Speaker	Location
10:00 - 11:00	Welcome and Introduction	Flex Lab A & B
11:00 - 12:30	Introduction to 10X Single Cell 3' Application	Flex Lab A & B

Time	Speaker	Location
12:30 - 13:30	Lunch	EMBL Canteen
	Illumina Sequencing Overview	
13:30 - 15:00	Vladimir Benes - <i>EMBL Heidelberg, Germany</i> Jonathan Landry - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
15:00 - 15:30	Coffee Break	Flex Lab A & B
	Lecture: Title TBC	
15:30 - 16:30	Jacob Musser - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
16:30 - 17:00	Lecture: 10X Online Resources	Flex Lab A & B
	Lecture: High-throughput single-cell RNA-sequencing at DZNE Bonn	
17:00 - 18:00	Simone Picelli - <i>DZNE, Germany</i>	Flex Lab A & B
18:00 - 19:00	Dinner	EMBL Canteen

Day 2 - Wednesday 16 May 2018

Time	Speaker	Location
09:00 - 10:15	Practical: Training Chips	Training Lab B
10:15 - 13:00	From Cell Prep until RT	Flex Lab A & B
13:00 - 14:00	Lunch	Training Lab B
14:00 - 17:00	cDNA amplification, clean up and QC	Training Lab B
	Lecture: Technical and biological considerations using single-cell gene expression profiling: from tissue to data analysis	
17:00 - 18:00	Anders Ståhlberg - <i>Sahlgrenska Academy at University of Gothenburg, Sweden</i>	Training Lab B
18:00 - 19:00	Dinner	EMBL Canteen

Day 3 - Thursday 17 May 2018

Time	Speaker	Location
09:00 - 13:00	Library Prep and QC of library	Training Lab B

Time	Speaker	Location
13:00 - 14:00	Lunch	Training Lab B
14:00 - 15:00	Library Quantification and Pool libraries	Gene Core Facility
15:00 - 17:00	Setup NextSeq Run	Gene Core Facility
17:00 - 18:00	Cell Prep Overview Malte Paulsen - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
18:00	Bus Downtown	
19:30	Dinner Downtown	

Day 4 - Friday 18 May 2018

Time	Speaker	Location
09:00 - 10:00	Lecture: Illumina Data Analysis Overview Jonathan Landry - <i>EMBL Heidelberg, Germany</i>	Computer Training Lab
10:00 - 11:00	Lecture: 10X Analysis Pipelines Katharina Danielski - <i>10x Genomics, Germany</i>	Computer Training Lab
11:00 - 11:30	Coffee	Computer Training Lab
11:30 - 12:30	Hands-on Loupe Demo Katharina Danielski - 10x Genomics, Germany Laurie Scott - <i>10x Genomics, UK</i>	Computer Training Lab
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 14:30	Lecture: New applications and multi feature analysis in single cells Hannes Arnold - <i>10x Genomics, Germany</i>	Computer Training Lab
14:30 - 15:00	Coffee	Computer Training Lab
15:00 - 16:30	Q&A session and Departure	