



Attacking Open Chromatin with ATAC 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 The content below is no longer being updated.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

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

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Day 1 -Monday, 10 September 2018

Time	Speaker	Location
09:45 - 10:15	Welcome & Introduction	Flex Lab A +B
10:15 - 10:30	Coffee break	Flex Lab A +B
10:30 - 11:30	ATAC-Seq Introduction Ulrike Litzenburger - Stanford University, USA	Flex Lab A +B
11:30 - 12:00	Intro and preparation to practical	Training Lab B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 15:00	Experimental Practical	Training Lab B

Time	Speaker	Location
15:00 - 15:15	Coffee break	Flex Lab A +B
15:15 - 17:00	Experimental Practical	Training Lab B
17:00 - 18:00	Wrap up, recap and tips & tricks Q&A to part one of the experimental session	Flex Lab A +B
18:00 - 19:00	Dinner	EMBL Canteen
19:00 - 21:00	Poster presentations (odd numbers) with beer/ wine	Top of Helix B

Day 2 - Tuesday, 11 September 2018

Time	Speaker	Location
09:45 - 10:15	Practical	Flex Lab A +B
10:15 - 10:30	Coffee break	Flex Lab A +B
10:30 - 12:00	Experimental Practical	Training Lab B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Single cells Ulrike Litzenburger - Stanford University, USA	Flex Lab A +B
14:00 - 18:00	Experimental Practical	Training Lab B
18:00 - 19:00	Pizza Dinner	Rooftop Lounge
19:00 - 21:00	Poster presentations (even numbers) with beer/ wine	Top of Helix B

Day 3 - Wednesday, 12 September 2018

Time	Speaker	Location
09:45 - 10:30	Chromatin Accessibility at Single Cell Resolution Lia Burkhardt - 10xgenomics, the Netherlands	Flex Lab A +B
10:30 - 11:00	Coffee break	Flex Lab A +B

Time	Speaker	Location
11:00 - 12:00	Overview of computational methods for ATAC-Seq Judith Zaugg - EMBL Heidelberg, Germany	Flex Lab A +B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Single cells James Reddington - EMBL Heidelberg, Germany	Flex Lab A +B
14:00 - 15:30	Differential transcription factor activity and classification into activators and repressors: diffTF Ivan Berest - EMBL Heidelberg, Germany	Flex Lab A +B
15:30 - 16:00	Coffee break	Flex Lab A +B
16:00 - 17:00	Introduction to computational analysis Christian Arnold - EMBL Heidelberg, Germany Ivan Berest - EMBL Heidelberg, Germany	Computer Training Lab
17:00 - 18:00	Start computational analysis over night	
18:00	Free evening	

Day 4 - Thursday, 13 September 2018

Time	Speaker	Location
09:45 - 10:15	Introduction to Computational Practical Christian Arnold - EMBL Heidelberg, Germany Ivan Berest - EMBL Heidelberg, Germany	Computer Training Lab
10:15 - 10:45	Computational Practical	Computer Training Lab
10:45 - 11:00	Coffee break	Computer Training Lab
11:00 - 12:00	Computational Practical	Computer Training Lab
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Talk / Q & A computational analysis	Computer Training Lab

Time	Speaker	Location
14:00 - 16:15	Computational Practical	Computer Training Lab
16:15 - 16:45	Coffee break	Computer Training Lab
16:45 - 18:45	Practical	Computer Training Lab
19:30	Dinner downtown (with a stop at the hotel)	Restaurant Zum Güldenenen Schaf

Day 5 - Friday, 14 September 2018

Time	Speaker	Location
09:45 - 10:15	Computational Practical	Computer Training Lab
10:15 - 10:30	Coffee break	Computer Training Lab
10:30 - 12:00	Computational Practical	Computer Training Lab
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Preparation for presentation	Computer Training Lab
14:00 - 15:45	Presentation of results by participants	Computer Training Lab
15:45 - 16:00	Coffee break	Computer Training Lab
16:00 - 17:15	Wrap -up and end of course	Computer Training Lab