Target Engagement in Biology and Drug Discovery

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 The content below is no longer being updated.**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 #EMBLTarget

HIDE ALL

Day 1 - Monday 11 March 2019

Time	Speaker	Location
08:30 - 09:00	**Arrival & Welcome, Introduction & Overview course and experiments** Joe Lewis, EMBL Heidelberg, Germany	Flex Lab A & B

Time	Speaker	Location
09:00 - 09:45	**Lecture: Target Identification and Target Engagement: Applications in Drug Discovery** Friedrich Reinhard, Cellzome/ GSK, Germany	Flex Lab A & B
09:45 - 10:00	**Coffee break**	Foyer
10:00 - 10:45	**Practical: CETSA** Friedrich Reinhard, Cellzome/ GSK, Germany	Training Lab B
10:45 - 12:30	**CETSA TR**	
12:30 - 13:30	**Lunch Break**	EMBL Canteen
13:30 - 15:45	**CETSA ITDR including analysis of Temp**	Computer Training Lab
16:00 - 17:00	**Lecture: Thermal Proteome Profiling to address questions in fundamental biology and drug discovery** Mikhail Savitski, EMBL Heidelberg, Germany	
17:00 - 17:30	**Coffee Break**	Foyer
17:30 - 18:00	**CETSA - Wrap up, CETSA on cells**	Training Lab B
18:00 - 19:00	**Practical: Chemoproteomics** Friedrich Reinhard, Cellzome/ GSK, Germany	Training Lab B
19:00 - 20:00	**Dinner**	EMBL Canteen
20:00 - 21:30	**Group activity: Flash talks**	Flex Lab A & B

Day 2 - Tuesday 12 March 2019

Time	Speaker	Location
08:45 - 10:00	**Practicals in Groups** **a) Imaging** **b) Chemoproteomics**	Training Lab B
10:00 - 11:00	**Lecture: Click-probe based approach for target engagement and residence time measurement at single cell level** Anna Rutkowska, GSK, Germany	Flex Lab A & B
11:00 - 13:00	**Practicals in Groups continued**	Training Lab B

Time	Speaker	Location
13:00 - 14:00	**Lunch break**	EMBL Canteen
14:00 - 18:00	**Practical in Groups continued** In between: Coffee break	Training Lab B
18:00 - 19:00	**Lecture: Genetic methods for target validation** Stefan Kubicek, CeMM, Austria	Flex Lab A & B
19:00 - 20:00	**Dinner**	EMBL Canteen

Day 3 - Wednesday 13 March 2019

Time	Speaker	Location
09:00 - 12:00	**Practical: Chemoproteomics & start gel for western blot**	Training Lab B
	Western blot and analysis	Training Lab B
11:00 - 12:00	**Lecture: Bioactivity databases and computational modelling in target identification and engagement studies** Andrew Leach, EMBL-EBI, UK	Flex Lab A & B
12:00 - 13:00	**Lunch break**	EMBL Canteen
13:00 - 14:00	**Lecture: NanoBRET TE** Matthew Robers, Promega, USA	Flex Lab A & B
14:00 - 14:15	**Coffee Break**	Foyer
14:00 - 17:00	**NanoBRET TE** during 2 hours incubation: Imaging: Data Analysis and summary during 2 hours incubation: any chemoproteomics topics left	Training Lab
17:00	**Free Evening**	

Day 4 - Thursday 14 March 2019

Time	Speaker	Location

Time	Speaker	Location
08:30 - 11:00	**NanoBRET Measurement and data analysis**	Computer Training Lab
11:00 - 12:00	**Lecture: The implementation of target engagement and residence time NanoBRET assays in compound characterizations and probe development: The SGC experience** Benedict-Tilman Berger, Goethe University Frankfurt, Germany	Flex Lab A & B
12:00 - 13:00	**Lunch break**	EMBL Canteen
13:00 - 14:00	**Lecture: Proteolysis Targeting Chimeras (PROTACs): an ever evolving tool in chemical biology and drug discovery** William Farnaby, The University of Dundee, UK	Flex Lab A & B
14:00 - 14:15	**Coffee Break**	Foyer
14:15 - 17:00	**Practical: PROTAC treatment of cells**	Training Lab
17:30	**Dinner**	Restaurant, downtown Heidelberg

Day 5 - Friday 15 March 2019

Time	Speaker	Location
09:00 - 10:00	**Practical: Protac Measurement and data analysis**	Computer Training Lab
10:00 - 11:00	**Q&A**	Computer Training Lab
11:00 - 12:00	**Wrap up and closing**	Computer Training Lab
12:00 - 13:00	**Lunch break**	EMBL Canteen
13:00	**Bus to Heidelberg Train Station and Crown Plaza Hotel**	