Deep Learning for Image Analysis
EMBL COURSE

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 #EMBLDeepLearning

HIDE ALL

Day 1 - Monday 20 January 2020

Time	Speaker	Location
11:45	Bus from ISG Hotel to EMBL ATC entrance	ISG Hotel bus stop
12:00 - 12:30	Arrival and registration	Courtyard Room A & B
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 14:00	Welcome and Introductions	Courtyard Room A & B
14:00 - 15:00	Participants present their data and problem at hand (2 min each)	Courtyard Room A & B

Time	Speaker	Location
15:00 - 15:30	Coffee break	Courtyard Room A & B
15:30 - 18:00	Practical: Basics and segmentation	Courtyard Room A & B and FlexLabs A & B
18:00	Bus to ISG Hotel	ATC entrance
18:30	Dinner	ISG Hotel

Day 2 - Tuesday 21 January 2020

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL ATC entrance	ISG Hotel bus stop
09:00 - 10:00	Lecture: Segmentation Anna Kreshuk - EMBL Heidelberg, Germany	Courtyard Room A & B
10:00 - 11:00	Lecture: Data augmentation strategies David Rousseau - University of Angers, France	Courtyard Room A & B
11:00 - 11:30	Coffee break	Courtyard Room A & B
11:30 - 12:30	Lecture: Image restoration Martin Weigert and Uwe Schmidt - Max Planck Institute of Molecular Cell Biology and Genetics, Switzerland	Courtyard Room A & B
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 - 18:00	Practical: Image restoration, data augmentation	Courtyard Room A & B and FlexLabs A & B
18:00 - 19:00	Dinner	EMBL Canteen
19:00	Bus to ISG Hotel	ATC entrance

Day 3 - Wednesday 22 January 2020

Time	Speaker	Location

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL ATC entrance	ISG Hotel bus stop
09:00 - 10:00	**Lecture: Image classification** Andrzej Rzepiela - ETH Zürich, Switerland	Courtyard Room A & B
10:00 - 11:00	**Lecture: Invertible networks** Ullrich Koethe - Institute, Country	Courtyard Room A & B
11:00 - 11:30	Coffee break	Courtyard Room A & B
11:30 - 12:30	**Lecture: Advanced segmentation techniques** Steffen Wolf - Heidelberg University, Germany	Courtyard Room A & B
12:30 - 13:30	Lunch	EMBL Canteen
13:30 - 18:30	Practical: Focus practicals on own data	Courtyard Room A & B and FlexLabs A & B
18:30	Bus to ISG Hotel	ATC entrance
19:00	Bus to Downtown	ISG Hotel bus stop
19:30	Dinner Dowtown	

Day 4 - Thursday 23 January 2020

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL ATC entrance	ISG Hotel bus stop
09:00 - 10:00	**Lecture: Solving large-scale cell tracking problems** Stefan Haller - Heidelberg University, Germany	Courtyard Room A & B
10:00 - 11:00	**Lecture: LeMoNADe: Learned Motif and Neuronal Assembly Detection in calcium imaging videos** Elke Kirschbaum - Heidelberg University, Germany	Courtyard Room A & B
11:00 - 11:30	Coffee break	

Time	Speaker	Location
11:30 - 12:30	Lecture: TBC Jens Petersen - German Cancer Research Center, Germany	Courtyard Room A & B
12:30 - 13:30	Lunch break	EMBL Canteen
13:30	Group Photo	
13:30 - 18:30	Practical: Focus practicals on own data	Courtyard Room A & B and FlexLabs A & B
18:30 - 20:30	Dinner and roundtable discussion	Roof Top Lounge
20:30	Bus to ISG Hotel	ATC entrance

Day 5 - Friday 24 January 2020

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL ATC entrance	ISG Hotel bus stop
09:00 - 12:00	Group activity: Finish practicals, preparation of presentations	Courtyard Room A & B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 16:00	Group activity: Presentations by the participants: what worked, what didn't, what could be done next	Courtyard Room A & B
16:00	Wrap-up and Departures	Courtyard Room A & B
16:15	Bus to Heidelberg Train Station and Crown Plaza Hotel	ATC entrance