



Current Methods in Cell Biology

EMBO PRACTICAL 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 The content below is no longer being updated.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 [#EMBOCellBiology](#)

Day 1 - Sunday 8 September 2019

Time	Speaker	Location
19:00	Cold Buffet Dinner at ISG Hotel	ISG Hotel

Day 2 - Monday 9 September 2019

Time	Speaker	Location
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08:15	Bus from ISG Hotel to EMBL Main entrance	
	Welcome and course overview	
08:30 - 08:45	Alba Diz-Muñoz - EMBL Heidelberg, Germany Sara Cuylen-Haering - EMBL Heidelberg, Germany	Room 202
08:45 - 09:30	Lecture: Integrative analysis of cell division across scales Jan Ellenberg - EMBL Heidelberg, Germany	Room 202
09:30 - 10:00	Flash Talks by participants - Odd numbers	Room 202
10:00 - 11:00	Seminar: Intracellular Optogenetics: Moving Proteins and Assembling Organelles to Program Cell Behavior Jared Toettcher - Princeton University, USA	Small Operon
11:00 - 11:45	Meet the Speaker	Room 202
11:45 - 13:00	Poster Session (odd numbers) with snacks for lunch	Operon Foyer
13:00 - 13:15	Introduction to the practicals	Room 202
13:15 - 18:45	Lab Practical 1	Room 202
18:45	Bus from EMBL Main entrance to ISG Hotel	
18:45 - 19:45	BBQ Dinner	ISG Hotel

Day 3 - Tuesday 10 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	
09:00 - 09:45	Lecture: Electron microscopy for Cell Biology: from CLEM to volume SEM Yannick Schwab - EMBL Heidelberg, Germany	Room 202
09:45 - 10:00	Coffee Break	Room 202
10:00 - 11:00	Seminar: Single-cell imaging and synthetic biology for dissecting epigenetic regulation Lacra Bintu - Stanford University, USA	Small Operon
11:00 - 11:45	Meet the Speaker	Room 202
11:45 - 12:45	Lunch	EMBL Canteen

12:45 - 18:45	Lab Practical 1	Room 202
18:45 - 19:45	Pizza dinner	Operon Foyer
19:45 - 20:30	Lecture: Single cell biology at large scale to study membrane traffic and organelle biogenesis Rainer Pepperkok - EMBL Heidelberg, Germany	Room 202
20:30	Bus from EMBL Main entrance to ISG Hotel	

Day 4 - Wednesday 11 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	
09:00 - 09:45	Lecture: Light microscopy: Basic principles and concepts Robert Prevedel - EMBL Heidelberg, Germany	Room 202
09:45 - 10:00	Coffee Break	Room 202
10:00 - 11:00	Lecture: From Screening to Cellular Function: Discovery of a Cellular Surfactant Sara Cuylen-Haering - EMBL Heidelberg, Germany	Room 202
11:00 - 11:30	Flash Talks by participants - Even numbers	Room 202
11:30 - 12:45	Poster Session (Even numbers) with snacks for lunch	Operon Foyer
12:45 - 18:45	Lab Practical 2	Room 202
18:45 - 19:45	Dinner	EMBL Canteen
19:45 - 20:30	Lecture: Superresolution Microscopy Jonas Ries - EMBL Heidelberg, Germany	Room 202
20:30	Bus from EMBL Main entrance to ISG Hotel	

Day 5 - Thursday 12 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	

09:00 - 09:45	Lecture: Measuring Cell Mechanics Alba Diz-Muñoz - EMBL Heidelberg, Germany	Small Operon
09:45 - 10:00	Coffee Break	Small Operon
10:00 - 11:00	Seminar: Molecular Control of Cellular Mechanics Ewa Paluch - University of Cambridge, UK	Small Operon
11:00 - 11:45	Meet the Speaker	Small Operon
11:45 - 12:45	Lunch	EMBL Canteen
12:45 - 18:45	Lab Practical 2	Small Operon
18:45 - 19:45	Dinner	EMBL Canteen
19:45 - 20:30	Lecture: Molecular Views into Cells by <i>in situ</i> Cryo-Electron Tomography Julia Mahamid - EMBL Heidelberg, Germany	Small Operon
20:30	Bus from EMBL Main entrance to ISG Hotel	

Day 6 - Friday 13 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	
09:00 - 09:45	Lecture: Image Analysis Anna Kreshuk - EMBL Heidelberg, Germany	Room 202
09:45 - 10:00	Coffee Break	Room 202
10:00 - 11:00	Seminar: Fluorescent Probes for Cell Biology Kai Johnsson - Max Planck Institute for Medical Research, Germany	Small Operon
11:00 - 11:45	Meet the Speaker	Operon Foyer
11:45 - 12:45	Lunch	EMBL Canteen
12:45 - 18:45	Lab Practical 3	Room 202
18:30 - 19:30	Lecture: Visualizing Meiosis Simone Koehler - EMBL Heidelberg, Germany	Room 202
19:30	Bus from EMBL Main entrance to ISG Hotel	
20:00	Dinner at ISG Hotel	ISG Hotel

Day 7 - Saturday 14 September 2019

Time	Speaker	Location
09:45	Bus from ISG Hotel to EMBL Main entrance	
10:00 - 10:45	Seminar: Packing and Gluing Mitotic Chromosomes Raquel Oliveira - Instituto Gulbenkian de Ciênciã, Portugal	Room 202
10:45 - 11:45	Meet the Speaker	Room 202
11:45 - 12:45	Lunch	EMBL Canteen
12:45 - 18:30	Lab Practical 3	Room 202
18:30	Bus to ISG Hotel	
19:00	Bus to Neckarmünzplatz	
19:30	Dinner downtown	

Day 8 - Sunday 15 September 2019

Time	Speaker	Location
08:00 - 22:00	Free Day	

Day 9 - Monday 16 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	
09:00 - 09:45	Lecture: The Mechanisms of Molecular Machines that Organize Genomes Christian Haering - EMBL Heidelberg, Germany	Room 202
09:45 - 10:00	Coffee Break	Room 202
10:00 - 11:00	Seminar: Fluid Flows Shaping Morphology Karen Alim - Max Planck Institute for Dynamics and Self-Organization, Germany	Small Operon
11:00 - 11:45	Meet the Speaker	Room 202
11:45 - 12:45	Lunch	EMBL Canteen
12:45 - 18:45	Lab Practical 4	Room 202

18:45 - 19:45	Dinner	EMBL Canteen
19:45 - 20:30	Lecture: Dynamics of cell fate acquisition Pierre Neveu - EMBL Heidelberg, Germany	Room 202
20:30	Bus from EMBL Main entrance to ISG Hotel	

Day 10 - Tuesday 17 September 2019

Time	Speaker	Location
08:45	Bus from ISG Hotel to EMBL Main entrance	
09:00 - 09:45	Lecture: Functional lipidomics - a molecular perspective on cellular lipid biochemistry Christer Ejsing - EMBL Heidelberg, Germany	Room 202
09:45 - 10:00	Coffee Break	Room 202
10:00 - 11:00	Seminar: Functional Organelle Remodeling During Adipocyte Differentiation Robin Klemm - University of Zurich, Switzerland	Small Operon
11:00 - 11:45	Meet the Speaker	Room 202
11:45 - 12:45	Lunch	EMBL Canteen
12:45 - 18:45	Lab Practical 4	Room 202
18:45 - 19:45	Dinner	EMBL Canteen
19:45 - 20:30	Lecture: Light-sheet microscopy Lars Hufnagel - EMBL Heidelberg, Germany	Room 202
20:30	Bus from EMBL Main entrance to ISG Hotel	