Current Methods in Cell Biology

EMBL 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 The content below is no longer being updated.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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>19:00</td>
<td>Cold Buffet Dinner at ISG Hotel</td>
<td>ISG Hotel</td>
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</tbody>
</table>

Day 2 - Monday 9 September 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
</table>
08:15  Bus from ISG Hotel to EMBL Main entrance

Welcome and course overview
Alba Diz-Muñoz - EMBL Heidelberg, Germany
Sara Cuylen-Haering - EMBL Heidelberg, Germany

08:30 - 08:45  Room 202

Lecture: Integrative analysis of cell division across scales
Jan Ellenberg - EMBL Heidelberg, Germany

08:45 - 09:30  Room 202

09:30 - 10:00  Room 202

Flash Talks by participants - Odd numbers

10:00 - 11:00  Small Operon

Seminar: Intracellular Optogenetics: Moving Proteins and Assembling Organelles to Program Cell Behavior
Jared Toettcher - Princeton University, USA

11:00 - 11:45  Room 202

11:45 - 13:00  Operon Foyer

Poster Session (odd numbers) with snacks for lunch

13:00 - 13:15  Room 202

Introduction to the practicals

13:15 - 18:45  Room 202

Lab Practical 1

18:45  ISG Hotel

Bus from EMBL Main entrance to ISG Hotel

18:45 - 19:45  ISG Hotel

BBQ Dinner

Day 3 - Tuesday 10 September 2019

Time  Speaker  Location

08:45  Bus from ISG Hotel to EMBL Main entrance

Lecture: Electron microscopy for Cell Biology: from CLEM to volume SEM
Yannick Schwab - EMBL Heidelberg, Germany

09:00 - 09:45  Room 202

09:45 - 10:00  Room 202

Coffee Break

10:00 - 11:00  Small Operon

Seminar: Single-cell imaging and synthetic biology for dissecting epigenetic regulation
Lacra Bintu - Stanford University, USA

11:00 - 11:45  Room 202

11:45 - 12:45  EMBL Canteen

Lunch

https://www.embl.de/training/events/2019/CBB19-01/programme/index.html
**Day 4 - Wednesday 11 September 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:45</td>
<td>Bus from ISG Hotel to EMBL Main entrance</td>
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<tr>
<td></td>
<td><strong>Lecture: Light microscopy: Basic principles and concepts</strong></td>
<td>Room 202</td>
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<tr>
<td>09:00 - 09:45</td>
<td>Robert Prevedel - EMBL Heidelberg, Germany</td>
<td>Room 202</td>
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<tr>
<td>09:45 - 10:00</td>
<td><strong>Coffee Break</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>10:00 - 11:00</td>
<td><strong>Lecture: From Screening to Cellular Function: Discovery of a Cellular Surfactant</strong></td>
<td>Room 202</td>
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<tr>
<td></td>
<td>Sara Cuylen-Haering - EMBL Heidelberg, Germany</td>
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</tr>
<tr>
<td>11:00 - 11:30</td>
<td><strong>Flash Talks by participants - Even numbers</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>11:30 - 12:45</td>
<td><strong>Poster Session (Even numbers) with snacks for lunch</strong></td>
<td>Operon Foyer</td>
</tr>
<tr>
<td>12:45 - 18:45</td>
<td><strong>Lab Practical 2</strong></td>
<td>Room 202</td>
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<tr>
<td>18:45 - 19:45</td>
<td><strong>Dinner</strong></td>
<td>EMBL Canteen</td>
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<tr>
<td>19:45 - 20:30</td>
<td><strong>Lecture: Superresolution Microscopy</strong></td>
<td>Room 202</td>
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<td></td>
<td>Jonas Ries - EMBL Heidelberg, Germany</td>
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<tr>
<td>20:30</td>
<td><strong>Bus from EMBL Main entrance to ISG Hotel</strong></td>
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**Day 5 - Thursday 12 September 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:45</td>
<td>Bus from ISG Hotel to EMBL Main entrance</td>
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</tbody>
</table>
09:00 - 09:45  Lecture: Measuring Cell Mechanics  
Alba Díz-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 in situ Cryo-Electron Tomography  
Julia Mahamid - EMBL Heidelberg, Germany  
Small Operon

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>09:45</td>
<td><strong>Bus from ISG Hotel to EMBL Main entrance</strong></td>
<td></td>
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<tr>
<td>10:00 - 10:45</td>
<td><strong>Seminar: Packing and Gluing Mitotic Chromosomes</strong></td>
<td>Room 202</td>
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<tr>
<td></td>
<td>Raquel Oliveira - Instituto Gulbenkian de Ciência, Portugal</td>
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<tr>
<td>10:45 - 11:45</td>
<td><strong>Meet the Speaker</strong></td>
<td>Room 202</td>
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<tr>
<td>11:45 - 12:45</td>
<td><strong>Lunch</strong></td>
<td>EMBL Canteen</td>
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<tr>
<td>12:45 - 18:30</td>
<td><strong>Lab Practical 3</strong></td>
<td>Room 202</td>
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<tr>
<td>18:30</td>
<td><strong>Bus to ISG Hotel</strong></td>
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<tr>
<td>19:00</td>
<td><strong>Bus to Neckarmünzplatz</strong></td>
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<tr>
<td>19:30</td>
<td><strong>Dinner downtown</strong></td>
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## Day 8 - Sunday 15 September 2019

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:00 - 22:00</td>
<td><strong>Free Day</strong></td>
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## Day 9 - Monday 16 September 2019

<table>
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:45</td>
<td><strong>Bus from ISG Hotel to EMBL Main entrance</strong></td>
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</tr>
<tr>
<td>09:00 - 09:45</td>
<td><strong>Lecture: The Mechanisms of Molecular Machines that Organize Genomes</strong></td>
<td>Room 202</td>
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<tr>
<td></td>
<td>Christian Haering - EMBL Heidelberg, Germany</td>
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<tr>
<td>09:45 - 10:00</td>
<td><strong>Coffee Break</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>10:00 - 11:00</td>
<td><strong>Seminar: Fluid Flows Shaping Morphology</strong></td>
<td>Small Operon</td>
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<td></td>
<td>Karen Alim - Max Planck Institute for Dynamics and Self-Organization, Germany</td>
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</tr>
<tr>
<td>11:00 - 11:45</td>
<td><strong>Meet the Speaker</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>11:45 - 12:45</td>
<td><strong>Lunch</strong></td>
<td>EMBL Canteen</td>
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<tr>
<td>12:45 - 18:45</td>
<td><strong>Lab Practical 4</strong></td>
<td>Room 202</td>
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### Day 10 - Tuesday 17 September 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:45</td>
<td><strong>Bus from ISG Hotel to EMBL Main entrance</strong></td>
<td></td>
</tr>
<tr>
<td>09:00 - 09:45</td>
<td><strong>Lecture: Functional lipidomics - a molecular perspective on cellular lipid biochemistry</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>09:45 - 10:00</td>
<td><strong>Coffee Break</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>10:00 - 11:00</td>
<td><strong>Seminar: Functional Organelle Remodeling During Adipocyte Differentiation</strong></td>
<td>Small Operon</td>
</tr>
<tr>
<td>11:00 - 11:45</td>
<td><strong>Meet the Speaker</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>11:45 - 12:45</td>
<td><strong>Lunch</strong></td>
<td>EMBL Canteen</td>
</tr>
<tr>
<td>12:45 - 18:45</td>
<td><strong>Lab Practical 4</strong></td>
<td>Room 202</td>
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<tr>
<td>18:45 - 19:45</td>
<td><strong>Dinner</strong></td>
<td>EMBL Canteen</td>
</tr>
<tr>
<td>19:45 - 20:30</td>
<td><strong>Lecture: Light-sheet microscopy</strong></td>
<td>Room 202</td>
</tr>
<tr>
<td>20:30</td>
<td><strong>Bus from EMBL Main entrance to ISG Hotel</strong></td>
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