



Techniques for Mammary Gland Research

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 The content below is no longer being updated.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? Share it with [#EMBOMammarygland](#)

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Day 1 - Monday 20 March 2017

Time	Speaker
16.40 - 17.00	Registration

Time	Speaker
17.00 - 18.00	<p>Welcome and Introduction at the ISG Hotel Jacqueline Dreyer-Lamm, <i>EMBL Heidelberg, Germany</i> Maria dM Vivanco, <i>CIC bioGUNE, Spain</i> Martin Jechlinger, <i>EMBL Heidelberg, Germany</i></p> <p>Keynote lecture</p>
18.00 - 19.00	<p>How technology drives our understanding of normal development and cancer Nancy Hynes, <i>FMI, Switzerland</i></p>
19.00 - 20.00	Dinner at the ISG Hotel

Day 2 - Tuesday 21 March 2017

Time	Speaker
9.00 - 9.15	<p>Lecture: Introduction to rules and safety issues Jacqueline Dreyer-Lamm, <i>EMBL Heidelberg, Germany</i></p>
9.15 - 9.45	<p>Lecture: Introduction to mouse mammary gland techniques Matthew Smalley, <i>Cardiff University, UK</i></p>
9.45 - 10.15	<p>Lecture: Introduction to human mammary gland Maria dM Vivanco, <i>CIC bioGUNE, Spain</i></p>
10.15 - 11.00	<p>Lecture: Introduction to FACS Malte Paulsen, <i>EMBL Heidelberg, Germany</i></p>
11.00 - 12.00	<p>Short talks by participants Chair: Maria dM Vivanco</p>
12.00 - 12.30	Discussion 1 and viewing posters
12.30 - 13.30	Lunch at the EMBL Canteen
13.30 - 14.30	<p>Short talks by participants Chair: Martin Jechlinger</p>
14.30 - 15.00	Discussion 2 and viewing posters
15.00 - 18.45	<p>Practical session: Mouse fat pad clearing incl.</p>

Time	Speaker
	Demonstration mouse fat pad clearing Kendrick Howard , <i>Cardiff University, UK</i>
	Mouse fat pad clearing by attendees
	Digestion
	Lecture From FACS to lineage tracing Matthew Smalley , <i>Cardiff University, UK</i>
	Lecture FACS analysis in human cells Maria dM Vivanco , <i>CIC bioGUNE, Spain</i>
18.45 - 19.30	Discussion about today issues
19.30 - 20.30	Dinner at EMBL
20.30 - 22.00	Poster viewing and beer session

Day 3 - Wednesday 22 March 2017

Time	Speaker
9.00 - 10.00	Practical session: Digest organoids to single cells
10.00 - 11.00	Practical session: Cell count and stain
11.00 - 11.30	Coffee break
11.30 - 12.30	Practical session continued
12.30 - 13.30	Lunch at the EMBL Canteen
13.30 - 14.00	Lecture: 3D cultures Martin Jechlinger , <i>EMBL Heidelberg, Germany</i>
14.00 - 14.15	Lecture: Mammosphere cultures Maria dM Vivanco , <i>CIC bioGUNE, Spain</i>

Time	Speaker
	Lecture:
14.15 - 14.45	Histology techniques Marta Garcia Montero , <i>EMBL Heidelberg, Germany</i>
	Practical session:
14.45 - 18.30	H&E, sectioning, whole-mount Carmine stain and mounting
18.30 - 19.30	Discussion about today issues
19.30 - 20.30	Dinner at EMBL

Day 4 - Thursday 23 March 2017

Time	Speaker
	Practical session:
9.00 - 10.15	Seeding 3D cultures
	Lecture:
10.15 - 11.00	Microscopy introduction and imaging at ALMF Stefan Terjung , <i>EMBL Heidelberg, Germany</i>
11.00 - 11.30	Coffee break
	Practical session:
11.30 - 12.30	feeding gels, developing whole-mount mammary glands and histology
12.30 - 13.30	Lunch at the EMBL Canteen
	Lecture:
13.30 - 14.00	SPIM imaging Malte Wachsmuth , <i>Luxendo Heidelberg, Germany</i>
14.00 - 18.00	Practical session
18.00 - 19.00	Tour of ALMF
19.00 - 19.30	Discussion about today issues
19.30	Dinner Downtown

Day 5 - Friday 24 March 2017

Time	Speaker
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Time	Speaker
09.00 - 12.00	Practical session
12.00	Closing Remarks and Departure
12.00 - 13.30	Lunch at the EMBL Canteen (optional)