

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 The content below is no longer being updated.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? Tweet it with #EMBOMammaryGland

HIDE ALL

Day 1 - Sunday 4 March 2018

Time	Speaker	Location
15:40 - 16:00	Arrival and Registration at ISG hotel	ISG hotel

Time	Speaker	Location
16:00 - 17:00	Welcome and Introduction Yvonne Yeboah - EMBL Heidelberg, Germany Martin Jechlinger - EMBL Heidelberg, Germany Maria dM Vivanco - CIC bioGUNE, Spain	ISG hotel
17:00 - 19:30	Short talks by participants	ISG hotel
from 19:30	Dinner at ISG hotel	ISG hotel

Day 2 - Monday 5 March 2018

Time	Speaker	Location
09:00 - 09:10	Introduction to rules and safety issues Yvonne Yeboah - EMBL Heidelberg, Germany	Flex Labs A & B
09:10 - 09:50	Introduction to mouse mammary gland techniques Matthew Smalley - Cardiff University, United Kingdom	Flex Labs A & B
09:50 - 10:30	Introduction to human mammary gland Maria dM Vivanco - CIC bioGUNE, Spain	Flex Labs A & B
10:30 - 12:30	Demo mammary fat pad clearing and practice by attendees	Training Lab B
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 - 14:15	Introduction to FACS Malte Paulsen - EMBL Heidelberg, Germany	Flex Labs A & B
14:15 - 17:30	Practical session: MG harvest demonstration Howard Kendrick - Cardiff University, United Kingdom Matthew Smalley - Cardiff University, United Kingdom	Training Lab B
17:30 - 18:00	Discussion about today issues	Flex Labs A & B

Time	Speaker	Location
	Keynote talk	
18:00 - 19:00	Tumour-stroma interactions in breast cancer progression Clare Isacke - The Institute of Cancer Research, United Kingdom	
19:00 - 20:00	Dinner	EMBL Canteen
20:00 - 22:00	Poster Session I	Top of helix A

Day 3 - Tuesday 6 March 2018

Time	Speaker	Location
09:00 - 10:45	Practical session: Digest organoids to single cells and seeding on 2D	Training Lab B
10:45 - 11:30	From FACS to lineage tracing Matthew Smalley - Cardiff University, United Kingdom	Flex Labs A & B
11:30 - 12:15	FACS analysis in human cells Maria dM Vivanco - CIC bioGUNE, Spain	Flex Labs A & B
12:15 - 13:00	Lunch break	EMBL Canteen
13:00 - 18:30	Practical session in groups: Cell count and stain incl.:	Training Lab B
	Mouse stain for FACS Howard Kendrick - Cardiff University, United Kingdom Diana Ordonez - EMBL Heidelberg, Germany	
	Human staining for ALDH and FACS Maria dM Vivanco - CIC bioGUNE, Spain	
18:30 - 19:30	Discussion about today issues, paper discussion and project handout	Flex Labs A & B
19:30 - 20:30	Dinner	EMBL Canteen

Day 4 - Wednesday 7 March 2018

Time	Speaker	Location
09:00 - 11:00	Practical session in groups incl.:	Training Lab B
	Group 1: Seeding 3D cultures Ashna Alladin - EMBL Heidelberg, Germany Martin Jechlinger - EMBL Heidelberg, Germany	
	Group 2: IHC start and whole MG processing incl. introduction in MG techniques lecture and whole MG explanation Marta Garcia Montero - EMBL Heidelberg, Germany Howard Kendrick - Cardiff University, United Kingdom	
11:00 - 13:00	Practical session in groups incl.:	Training Lab B
	Group 1: IHC start and whole MG processing incl. introduction in MG techniques lecture and whole MG explanation Marta Garcia Montero - EMBL Heidelberg, Germany Howard Kendrick - Cardiff University, United Kingdom	
	Group 2: Seeding 3D cultures Ashna Alladin - EMBL Heidelberg, Germany Martin Jechlinger - EMBL Heidelberg, Germany	
13:00 - 14:00	Lunch break	EMBL Canteen
14:00 - 14:30	3D cultures Martin Jechlinger - EMBL Heidelberg, Germany	Flex Labs A & B
14:30 - 15:00	Mammosphere cultures Maria dM Vivanco - CIC bioGUNE, Spain	Flex Labs A & B
15:00 - 16:30	Wrap-up and discussion about today's issues	Flex Labs A & B
16:30 - 19:00	Poster session II and discussion about students' projects	Top of helix A
19:00 - 20:00	Dinner	EMBL Canteen

Day 5 - Thursday 8 March 2018

Time	Speaker	Location
09:00 - 10:00	Practical session in groups incl.:	Training Lab B
	IHC finish part 1 Marta Garcia Montero - EMBL Heidelberg, Germany Howard Kendrick - Cardiff University, United Kingdom	
	Possibility to see and discuss 3D cultures Ashna Alladin - EMBL Heidelberg, Germany Martin Jechlinger - EMBL Heidelberg, Germany	
10:00 - 11:00	SPIM imaging Malte Wachsmuth - Luxendo Heidelberg, Germany	Flex Labs A & B
11:00 - 12:00	Practical session: IHC finish part 2 Marta Garcia Montero - EMBL Heidelberg, Germany Howard Kendrick - Cardiff University, United Kingdom	Training Lab B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Microscopy Stefan Terjung - EMBL Heidelberg, Germany	Flex Labs A & B
14:00 - 17:30	Practical session in groups incl.:	Training Lab B
	Group 1: SPIM	
	Group 2: ALMF tour	
	Group 3: Mounting and photographing IHC /possibility to see and discuss sectioning techniques	
17:30 - 19:00	Presentation of the literature project	Flex Labs A & B
19:00 - 19:30	Bus to ISG hotel and to restaurant downtown	EMBL bus stop /
from 19:30	Dinner downtown	Restaurant offsite

Day 6 - Friday 9 March 2018

Time	Speaker	Location
09:00 - 12:00	Practical session in groups incl.:	Training Lab B
	Mount mammary gland finish	
	Repeat certain techniques, possibility to repeat mouse dissection training	
	Wrap up, analysis, troubleshooting for projects with trainers depending on interests of attendees, as discussed after the pitches from the morning of Day 2	
12:00	Packed lunch and departure	Flex Labs A & B