



Hands-on Flow Cytometry - Learning by Doing!

EMBL 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 The content below is no longer being updated.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 [#EMBLcytometry](#)

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Day 1 - Monday 4 June 2018

Time	Speaker	Location
08:00 - 08:30	Arrival	Flex Lab A & B
08:30 - 10:00	Welcome & Introductions	Flex Lab A & B
10:00 - 12:00	Lecture: Fluidics and Optics Malte Paulsen - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
12:00 - 13:00	Lunch break	EMBL Canteen

Time	Speaker	Location
13:00 - 15:00	Lecture: Fluorescence & PMTs/Detectors Steffen Schmitt - <i>German Cancer Research Center, Germany</i>	Flex Lab A & B
	Lecture: Data generation, Data display Malte Paulsen - <i>EMBL Heidelberg, Germany</i>	
15:00 - 19:00	Practical Session: Assessing Instrument performance knoweldge interlude: What is sensitivity How to evaluate performance easily every day	Flex Lab A & B
	Practical Session: Absolute Counting and Proliferation	
19:00 - 20:00	Dinner	EMBL Canteen

Day 2 - Tuesday 5 June 2018

Time	Speaker	Location
09:00 - 12:00	Lecture: Fluorescence Spillover and compensation Cora Chadick - <i>EMBL Rome, Italy</i>	Flex Lab A & B
	Lecture: Experimental design for multi-colour Flow Andrea Engel - <i>BD, Germany</i>	
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 15:00	Practical Session: Group 1: Measuring Multi-colour surface staining Group 2: Data analysis with FlowJo Session 1	Flex Lab A & B
15:00 - 15:30	Break	Flex Lab A & B
15:00 - 17:30	Practical Session: Group 2: Measuring Multi-colour surface staining Group 1: Data analysis with FlowJo Session 1	Flex Lab A & B
17:30 - 18:30	Lecture: Tips and tricks for intracellular stainings and fixation Diana Ordonez - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
18:30 - 19:30	Dinner	EMBL Canteen

Day 3 - Wednesday 6 June 2018

Time	Speaker	Location
09:00 - 10:00	Lecture: The essentials of gating, FMO and proper internal gating controls Steffen Schmitt - <i>German Cancer Research Center, Germany</i>	Flex Lab A & B
10:00 - 10:30	Break	Flex Lab A & B
10:30 - 12:00	Lecture: Cell Cycle Analysis Malte Paulsen - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 15:00	Practical Session: Group 1: Measuring univariate and bivariate cell cycle samples Group 2: Data analysis with FlowJo Session 2	Flex Lab A & B
15:00 - 15:30	Break	
15:30 - 17:30	Practical Session: Group 2: Measuring univariate and bivariate cell cycle samples Group 1: Data analysis with FlowJo Session 1	Flex Lab A & B
17:30 - 18:00	Q&A Session	Flex Lab A & B
18:00 - 19:00	Dinner	EMBL Canteen

Day 4 - Thursday 7 June 2018

Time	Speaker	Location
09:00 - 10:00	Practical Session: Analysis cell cycle- FlowJo	Flex Lab A & B
10:00 - 10:30	Break	Flex Lab A & B
10:30 - 12:00	Practical Session: Data analysis cell cycle + Users' data-FlowJo	Flex Lab A & B
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Lecture: Assessing Cell Death Steffen Schmitt - <i>German Cancer Research Center, Germany</i>	Flex Lab A & B

Time	Speaker	Location
14:00 - 15:30	Practical Session: Measuring apoptosis	Flex Lab A & B
15:30 - 17:00	Practical Session: Data analysis-FlowJo	Flex Lab A & B
17:00 - 21:00	Social activity & Downtown Dinner	Restaurant

Day 5 - Friday 8 June 2018

Time	Speaker	Location
09:00 - 10:00	Lecture: The basics of cell sorting Malte Paulsen - <i>EMBL Heidelberg, Germany</i>	Flex Lab A & B
10:00 - 12:00	Practical Session: Cell sorting and reanalysis of sorted cells	Flow cytometry core facility
12:00 - 13:00	Lunch break	EMBL Canteen
13:00 - 14:00	Lecture: Workshop revisiting the basics of the last 3.5 days	Flex Lab A & B
14:00 - 14:30	Feedback and Good-bye	Flex Lab A & B
14:40	Bus to Train Station & Crown Plaza Hotel	