

# Humanized Mice in Biomedicine: Challenges and Innovations

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 The content below is no longer being updated.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 #EMBOMice

## Day 1 - Sunday 3 November 2019

Time	Speaker	Location
10:40	Bus departure to EMBL Heidelberg	Holiday Inn ExpressHeidelberg - City Centre
11:00 - 12:00	Arrival and registrations with light lunch	

Time	Speaker	Location
12:00 - 12:15	Welcome & introduction  Yvonne Yeboah - EMBL Heidelberg, Germany	Flex Lab A & B
12:15 - 13:00	Lecture: Humanized mice: from academia to a global market Leonard Shultz - The Jackson Laboratory, USA	Flex Lab A & B
13:00 - 15:00	5 min flash talks by speakers Chair: Renata Stripecke - Hannover Medical School, Germany	Flex Lab A & B
15:00 - 17:00	5 min flash talks by participants Chair: Brian Soper - The Jackson Laboratory, USA	Flex Lab A & B
17:00	Bus departure to Neckarmünzplatz	EMBL bus stop
17:30 - 20:00	Guided tour of Heidelberg and casual dinner (reservation for 19:30)	Urban Kitchen

Day 2 - Monday 4 November 2019

Time	Speaker	Location	
08:25	Bus departure to E	MBL Heidelberg	Holiday Inn ExpressHeidelberg - City Centre
	system in vivo	ting the human immune	
09:00 - 09:45	vivo	human hematopoiesis in The Francis Crick Institute,	Flex Lab A & B
09:45 - 10:30	Lecture: New strain autoimmunity Michael Brehm - Un Medical School, USA	iversity of Massachusetts	Flex Lab A & B
10:30 - 11:00	Coffee break		Flex Lab A & B

2, 12:12	EMBO Practical Course - Humanized Mice in Biomedicine: Challenges	and Innovations - Programn
11:00 - 11:45	Lecture: T and NK cell development  James Di Santo - Institut Pasteur, France	Flex Lab A & B
11:45 - 12:30	Lecture: Human adaptive T and B immunity Renata Stripecke - Hannover Medical School, Germany	Flex Lab A & B
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 - 14:00	Lecture: Tools and optimized workflows for the analysis of human cells from humanized mouse models David Agorklu - Miltenyi Biotech, Germany	Flex Lab A & B
14:00 - 14:30	Lecture: Multicolor flow cytometry Diana Ordonez - EMBL Heidelberg, Germany	Flex Lab A & B
14:30 - 18:00	Practical: Selection of human hematopoietic stem cells, T cells, monocytes for humanization, harvest tissues from humanized mice and analyses of immune reconstitutions by FACS  Corinna Klein - Heidelberg Institute for Steam Cell technology and Experimental Medicine, Germany  Diana Ordonez - EMBL Heidelberg, Germany Sebastian Theobald - Hannover Medical School, Germany	Training Lab B
18:00 - 19:00	Dinner	EMBL Canteen
19:00 - 21:00	Poster Session (Odd Numbers)	top of Helix B
21:00	Bus departure to Holiday Inn ExpressHeidelberg - City Centre	EMBL bus stop

Day 3 - Tuesday 5 November 2019

Time	Speaker	Location	
08:25	Bus departure	e to EMBL Heidelberg	Holiday Inn ExpressHeidelberg - City Centre
	Part 2: Infection	ons with human pathogens	
	Chair: Christia	n Muenz - University of Zurich,	
	Switzerland		

## Day 4 - Wednesday 6 November 2019

Time	Speaker	Location	
08:25	Bus departure to EMBL He	idelberg	Holiday Inn ExpressHeidelberg - City Centre
	Part 3: Patient derived tran oncology research Chair: J.J. Schuringa - Unive The Netherlands		
09:00 - 09:4	Lecture: Ossicle implants f hematopoietic stem cells a J.J. Schuringa - University of Netherlands	nd leukemia	Flex Lab A & B
09:45 - 10:30	Lecture: PDX models comb immune system Brian Soper - The Jackson L		Flex Lab A & B
10:30 - 11:00	Coffee break		Flex Lab A & B
11:00 - 11:45	Lecture: Minimal Information  Derived Tumor Xenograft Note: Terrence Meehan - EMBL-EE	lodels	Flex Lab A & B
11:45 - 12:30	Lecture: Population-scale s for precision medicine for or research Livio Trusolino - University of School, Italy	colorectal cancer	Flex Lab A & B
12:30 - 13:3	D Lunch break		EMBL Canteen
13:30 - 14:3	Lecture: In silico genomics Terrence Meehan - EMBL-EE J.J. Schuringa - University of Netherlands Livio Trusolino - University of School, Italy	BI Hinxton, UK Groningen, The	Flex Lab A & B

14:30 - 18:00	Practical: In silico genomics analyses of mutations and tumor heterogeneity analyses, representative examples  Terrence Meehan - EMBL-EBI Hinxton, UK Ross Thorne - EMBL-EBI Hinxton, UK J.J. Schuringa - University of Groningen, The Netherlands Livio Trusolino - University of Torino Medical School, Italy	Computer Training Lab
18:00 - 19:00	Dinner	EMBL Canteen
19:00 - 21:00	Selected short talks (4x) and round table discussion: challenges in the field	Flex Lab A & B
21:00	Bus departure to Holiday Inn  ExpressHeidelberg - City Centre	EMBL bus stop

Day 5 - Thursday 7 November 2019

Time	Speaker	Location	
08:25	Bus d	eparture to EMBL Heidelberg	Holiday Inn ExpressHeidelberg - City Centre
		: Immuno-oncology and transplantation Brian Soper - The Jackson Laboratory,	
09:00 - 09:48	p <b>ancr</b> 5 Andre	re: Genetic heterogeneity of AML and eatic cancer as Trumpp - German Cancer Research r , Germany	Flex Lab A & B
09:45 - 10:30	0 Anja V	re: Immuno-oncology of breast cancer Vege - University Medical Center asburg, Germany	Flex Lab A & B
10:30 - 11:00	Coffe	e break and Group Photo	Flex Lab A & B
11:00 - 11:45	negat	re: Application of PDX for triple ive marker breast cancer research Bult - The Jackson Laboratory, USA	Flex Lab A & B

29/08/2022, 12:12	EMBO Practical Course - Humanized Mice in Biomedicine: Challenges and Innovations - Programm	
	Lecture: Humanized mice and organoids in	

11:45 - 12:30	Lecture: Humanized mice and organoids in transplantation research Kourosh Saeb-Parsy - University of Cambridge, UK	Flex Lab A & B
12:30 - 13:30	Lunch break	EMBL Canteen
13:30 14:30	Lecture: Video Brian Soper - The Jackson Laboratory, USA Li-Chin Yao - The Jackson Laboratory, USA	Flex Lab A & B
14:30 - 18:00	Practical: Humanized mice implanted with patient-derived malignancies  Anja Wege - University Medical Center Regensburg, Germany Li-Chin Yao - The Jackson Laboratory, USA Kourosh Saeb-Parsy - University of Cambridge, UK	Training Lab B
18:00	Bus departure to Holiday Inn ExpressHeidelberg - City Centre	
19:00	Bus departure to Wirtshaus zum Nepomuk (walk from the Old Bridge)	Old Bridge
19:30	Dinner Downtown	Wirtshaus zum Nepomuk

Day 6 - Friday 8 November 2019

Time	Speaker	Location	
08:25	Bus departure to EM	/IBL Heidelberg	Holiday Inn ExpressHeidelberg - City Centre
	Part 5: Regenerative regulatory perspection Karl-Dimiter Bissig - ECENTER, USA		
09:00 - 09:3	- the chances & cha	er chimeric mouse models  Allenges  Duke University Medical	Flex Lab A & B

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