Transgenic Animals - Micromanipulation Techniques

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 The content below is no longer being updated.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 #EMBLTransAn

HIDE ALL

Day 1 - Wednesday 27 March 2019

Time	Speaker	Location
09:00 - 09:20	**Welcome remarks** Sandra Stobrawa - Eppendorf AG, Germany Yvonne Yeboah - EMBL Heidelberg, Germany	Flex Lab A & B

Time	Speaker	Location
09:20 - 10:00	**Microinjection: Handling of the microinjection devices** Sandra Stobrawa - Eppendorf AG, Germany	Flex Lab A & B
10:00 - 11:00	**Production of transgenic mice via DNA microinjection** Frank van der Hoeven - Transgenic Service, German Cancer Research Center, Germany	Flex Lab A & B
11:00 - 11:15	**Coffee break**	Flex Lab A & B
11:15 - 12:00	**CRISPR/Cas in mouse zygotes and 2-cell embryos** Frank van der Hoeven - Transgenic Service, German Cancer Research Center, Germany	Flex Lab A & B
12:00 - 13:00	**Lunch break**	Flex Lab A & B
13:00 - 13:30	**Introduction into the usage of the microscope and correct contrast techniques** Werner Wittke - Leica Microsystems CMS GmbH, Germany	EMBL Canteen
13:30 - 14:00	**Demonstration** - Usage of the microscope and correct contrast techniques	Training Lab B
14:00 - 17:15	**Demonstration and hands-on** - Microinjection into pronuclei and cytoplasm of mouse zygotes & 2-cell stage embryos	Training Lab B
17:30	**Bus to Neckarmünzplatz**	
19:00	**Dinner Downtown at Oskar Vinothek Restaurant**	

Day 2 - Thursday 28 March 2019

Time	Speaker	Location
09:00 - 10:00	**Production of genetically modified mice via ES cell transfer into early embryos** Frank van der Hoeven - Transgenic Service, German Cancer Research Center, Germany	Flex Lab A & B

Time	Speaker	Location
10:00 - 10:30	**Piezo-assisted micromanipulation** Sandra Stobrawa - Eppendorf AG, Germany	Flex Lab A & B
10:30 - 10:45	**Coffee break**	Flex Lab A & B
10:45 - 12:15	**Demonstration and Hands-on** - ES cell transfer into blastocysts and 8-cell embryos	Training Lab B
12:15 - 13:15	**Lunch break**	EMBL Canteen
13:15 - 16:30	**Hands-on** - ES cell transfer into blastocysts and 8-cell embryos - Piezo-assisted ES cell transfer into blastocysts	Training Lab B
16:30 - 17:00	**Discussion and Feedback**	Flex Lab A & B