



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 The content below is no longer being updated.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

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Day 1 - Tuesday, 10 April 2018

Time	Speaker	Location
09:00-09:15	Welcome remarks Sandra Stobrawa - Eppendorf AG, Germany	Courtyard Room A+B

Time	Speaker	Location
09:15-09:45	Microinjection: Handling of the microinjection devices Sandra Stobrawa - <i>Eppendorf AG, Germany</i>	Courtyard Room A+B
09:45-10:30	Production of transgenic mice via DNA microinjection Frank van der Hoeven - <i>Transgenic Service, German Cancer Research Center, Germany</i>	Courtyard Room A+B
10:30-10:45	Coffee break	outside Courtyard Room A+B
10:45-11:15	Site-specific deletion / insertion / integration via microinjection into zygotes Frank van der Hoeven - <i>Transgenic Service, German Cancer Research Center, Germany</i>	Courtyard Room A+B
11:15-12:00	Introduction into the usage of the microscope and correct contrast techniques Werner Wittke - <i>Leica Microsystems CMS GmbH, Germany</i>	Courtyard Room A+B
12:00-13:00	Lunch in the canteen	EMBL Canteen
13:00-13:30	Demonstration - Usage of the microscope and correct contrast techniques	Training Lab A
13:30-17:00	Demonstration and hands-on - Microinjection into pronuclei and cytoplasm of mouse zygotes	Training Lab A
18:30	Dinner downtown	Restaurant Hotel zum Ritter , Heidelberg Old Town

Day 2 - Wednesday, 11 April 2018

Time	Speaker	Location
09:00-09:30	Piezo-assisted micromanipulation Sandra Stobrawa - <i>Eppendorf AG, Germany</i>	Courtyard Room A+B

Time	Speaker	Location
09:30-10:30	Production of genetically modified mice via ES cell transfer into early embryos Frank van der Hoeven - <i>Transgenic Service, German Cancer Research Center, Germany</i>	Courtyard Room A+B
10:30-10:45	Coffee break	outside Courtyard Room A+B
10:45-12:15	Demonstration and Hands-on - ES cell transfer into blastocysts	Training Lab A
12:15-13:15	Lunch in the canteen	EMBL Canteen
13:15-16:30	Hands-on - ES cell transfer into blastocysts - Piezo-assisted ES cell transfer into 8-cell embryo and blastocysts	Training Lab A
16:30-17:00	Discussion and Feedback	Courtyard Room A+B