



EMBL Next Generation Sequencing: Whole Genome Sequencing Library Preparation

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 The content below is no longer being updated.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

[HIDE ALL](#)

Day 1 - Wednesday, 18 April 2018

| Time | Topic |
|---------------|----------------------------------|
| 10.00 - 10.15 | Welcome remarks |
| 10.15 - 11.00 | Introduction |
| 11.00 - 11.30 | Quantifying genomic DNA |
| 11.30 - 12.30 | Shearing genomic DNA |
| 12.30 - 13.00 | Bioanalyzer setup (QC) |
| 13.00 - 14.00 | Lunch in the EMBL Canteen |
| 14.00 - 14.30 | Bioanalyzer evaluation |
| 14.30 - 16.00 | End preparation/ Lecture |

| Time | Topic |
|---------------|-------------------------------------|
| 16.00 - 16.45 | Adapter ligation |
| 16.45 - 17.00 | Coffee Break |
| 17.00 - 18.00 | Tips, Q&A, Day 1 review |
| 18.00 - 19.00 | Dinner in the EMBL Cafeteria |

Day 2 - Thursday, 19 April 2018

| Time | Topic |
|---------------|--|
| 10.00 - 10.30 | Lecture |
| 10.30 - 11.00 | Bead Cleanup 1.01 |
| 11.00 - 11.45 | Cleanup/ size selection |
| 11.45 - 12.45 | PCR Setup |
| 12.45 - 13.45 | Lunch in the EMBL Canteen |
| 13.45 - 14.30 | Cleanup |
| 14.30 - 16.00 | Library QC/ Lecture |
| 16.00 - 16.15 | Coffee break |
| 16.15 - 17.15 | Library evaluation, tips, Q&A, Day 2 review |
| 14.00 - 15.00 | Run qPCR / Library validation by Fragment Analyzer |
| 17.15 - 18.00 | EMBL Genomics Core Facility Tour |
| 18.00 - 19.00 | Dinner in the EMBL Cafeteria |

Day 3 - Friday, 20 April 2018

| Time | Topic |
|---------------|---|
| 09.00 - 10.00 | Introduction lecture |
| 10.00 - 10.15 | Coffee Break |
| 10.15 - 12.15 | Data exploration and DNA-Seq workflow Part I |
| 12.15 - 13.15 | Lunch in the EMBL Canteen |
| 13.15 - 15.00 | Data exploration and DNA-Seq workflow Part II |

| Time | Topic |
|---------------|--|
| 15.00 - 15.15 | Coffee break |
| 15.15 - 16.15 | Data exploration and DNA-Seq workflow Part III |
| 16.15 - 16.30 | Closing remarks and departure |