Schedule for Metagenomics NGS practical course

Day 1 – Monday

End of day 1

Day 2 – Tuesday

09:00-10:00	Lecture: Introduction to long read sequencing
10:00-12:30	Practical session: Oxford Nanopore DNA Library preparation
12:30-13:30	Lunch break
13:30-15:30	Practical session: Set up and start of GridIONX5 sequencing run
15:30-15:50	Coffee Break
15:50-16:20	Practical session: Sequencing data QC in real time
16:20-17:15	FGCZ tour

End of day 2

Schedule for Metagenomics NGS practical course

Day 3 - Wednesday

09:00-10:00	Lecture: Introduction to data analysis; format and QC of raw data
10:00-10:30	Lecture: Introduction to SUSHI
10:30-11:00	Coffee break
11:00-11:30	Practical: Data QC
11:30 -12:15	Lecture: Introduction to 16S data analysis
12:15-13:15	Lunch
13:15-16:15	Practicals: 16S data analysis with QIIME2 (including coffee break)

End of day 3

Day 4 – Thursday

08:15-10:15	Project discussion
10:15-11:00	Seminar: "Avidity Sequencing on the AVITI System - Sequencing Reimagined"
	Molly He, CEO of Element Biosciences
11.00-12.00	Lecture: Introduction to shotgun metagenomics and Metagenome Atlas
12.00-13.00	Lunch
13:00-14:00	Guest talk: Dr. Silas Kieser
14:00-16:00	Practical: Metagenomic data analysis with Metagenome Atlas Part 1

End of day 4

Schedule for Metagenomics NGS practical course

Day 5 - Friday

09:15-11:00	Practical: Metagenomic data analysis with Metagenome Atlas Part 2
11:00-12:00	Lecture and Practical: Assembly free approach to shotgun metagenomics
12:00-13:00	Lunch
13:00-14:00	Guest talk: Dr. Jonas Grossmann
14:00-15:00	Lecture: Introduction to metatranscriptomics
15:00 – 15.15	Coffee break
15:15- 16.15	Practical: Metatranscriptomic data analysis with Samsa2
16:15-16:30	Course feedback

End of course