



Training and research in *Listeria monocytogenes*
adaptation through proteomic and transcriptome deep
sequencing analysis

Summer School

4-6 July 2016

GenXPro GmbH
Altenhöferallee 3, Francfort
Germany

Agenda

Monday, 4th

10:00	Introduction
10:15-11:15	Next Generation Sequencing platforms (Illumina)
11:15	coffee break
11:30-12:15	Others Next Generation Sequencing platforms (Ion Torrent, PacBio, Oxford Nanopore)
12:15-13:00	Next Generation Sequencing: why and how?
13:00	Lunch
14:00-15:00	Sample preparation for NGS transcriptomics
15:00-15:45	Data analysis I
15:45-16:10	coffee break
16:10-17:30	Data analysis II and workshop
17:30	End of the day
19:00	Dinner at the "Ginnheimer Wirtshaus"

Tuesday, 5th

07:30	Departure to Thermo Fisher
09:30-10:00	Introduction to Thermo Fisher and lab tour
10:00-13:00	RNA techniques and solutions
13:00	Lunch
14:00-16:00	Overview of a biotechnology company
16:00-18:00	Potentially: data analysis of control samples and Q&A
18:00	End of the day
19:00	Dinner
20:00	Going out to Sachsenhausen

Wednesday, 6th

08:00	qPCR data analyses I
09:00	coffee break
9:15-10:00	qPCR data analyses II
10:00-11:00	Ensembl Introduction
11:00	coffee break
11:20-12:30	Ensembl workshop
12:30	Lunch
13:30-14:00	BioMart introduction
14:00-15:00	BioMart workshop
15:00	coffee break
15:10-16:00	Transcriptomics of Eukaryotes and Prokaryotes
16:00-16:30	Evaluation of the Summer school, discussions
16:30	End of the Summer school



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