

Tuesday, July 19, 2016	Wednesday, July 20, 2016	Thursday, July 21, 2016	Friday, July 22, 2016
9.00 Welcome remarks <i>SR</i>	9.00 An introduction to microbial genome annotation <i>SR</i>	9.00 RNA-Seq: Introduction and experimental design <i>SR</i>	9.00 Computational challenges in metagenome analysis <i>SR</i>
9.15 Introduction to G2L computing environment <i>CP</i>		9.30 RNA-Seq: A powerful tool for (bacterial) systems biology <i>SR</i>	
10.00 (NG)-Sequencing at Göttingen Genomics Laboratory <i>SR</i>			
10.45 Coffee Break	10.30 Coffee Break	10.15 Coffee Break	10.15 Coffee Break
11.15 Hands-On exercises: Sequencing Tutorial - Processing of NGS raw data <i>CP</i>	11.00 Hands-On exercises: Annotation Tutorial - Introduction to IMG <i>CP</i>	10.45 Hands-On exercises: RNA-Seq based transcriptomics <i>CP</i>	10.45 Hands-On exercises: Functional profiling of metagenomic and metatranscriptomic data <i>CP</i>
	12.30 Lunch <i>M</i>		12.45 Closing remarks <i>SR</i>
13.15 Lunch <i>M</i>	13.15 From genomics to comparative genomics <i>SR</i>	13.00 Lunch <i>M</i>	13.00 Lunch <i>M</i>
14.00 NG-Sequencing: Experimental design <i>SR</i>	14.15 Hands-On exercises: From genomics to comparative genomics <i>CP</i>	13.45 Metagenomics and Metatranscriptomics <i>SR</i>	(optional) <i>CP</i> 13.45 Free exercise time Question time
14.45 3rd Generation Sequencing on the PacBio RSII @ DSMZ <i>SR</i>		14.30 Tools for metagenome and metatranscriptome analysis <i>SR</i>	
15.30 Coffee Break	15.30 Coffee Break	15.15 Coffee Break	
16.00 Hands-On exercises: Sequencing Tutorial (2) - Assembly of prokaryotic genomes using 3rd Generation Sequencing data <i>CP</i>	16.00 Hands-On exercises: From genomics to comparative genomics ( <i>continued</i> ) <i>CP</i>	15.45 Hands-On exercises: Assessing microbial community structures with NGS data by universal barcoding <i>CP</i>	16.30 - End of workshop -
18.00 - End of 1st day -	18.00 - End of 2nd day -	18.00 - End of 3rd day -	
	18.45 Social evening <i>C</i>		

**Legend**

*SR* Seminar room  
*CP* CIP-Pool  
*M* Nordmensa  
*C* City center; meeting point: Gänselseel fountain