

Education & Training

The FGCZ offers practical courses from experimental design to sample preparation to data analysis

Genomics Course

- 4 day course with the focus on Genomic DNA
- Library preparation
- Sequencing on NGS technologies
- Data analysis

Metagenomics Course

- 4 day course with the focus on microbial communities
- Library preparation
- Sequencing on NGS technologies and single molecule sequencing
- Data analysis

Metabolomics Course

- 4 day course on MS-based metabolomics – from theory to practice
- Metabolite extraction
- MS-acquisition
- Data analysis

Combined-Omics Course

- 5 day course from transcriptome to proteome
- Comparative RNA-sequencing
- Comparative protein profiling
- Combined data analysis

Transcriptomics Course

- 4 day course with the focus on RNA
- Library preparation
- Sequencing on NGS technologies
- Data analysis

Microarrays

- 2 day course for beginners in collaboration with Schott/Nexterion
- Theory of intermolecular interactions, surface chemistry, protocol development, dyes and applications
- Practical problems and pitfalls of the technology
- Microarray slide production and processing (demonstration)

Bioinformatics Training

- 2 day course - What To Do with My Data?
- a- Introduction to RNA-seq data analysis
- b- Introduction to variant analysis using NGS