
Core Facility | Augsburg

Mikrobioma



Instrumentation:

The Core Facility for Microbiome offers support to interested scientists in the preparation, sampling, extraction and analysis of microbiome samples for their specific research questions. We have experience with (surface) swabs, faeces and tissue fluids. Our expertise covers especially low input material samples -for example skin swabs-, their collection, extraction and processing, and in particular bioinformatic analysis. Qualitative and quantitative approaches are possible and can be customized. We provide strong interaction from planning to sampling and extraction to data analysis.

Currently available instrumentation:

- qPCR: BIORAD CFX 384 and 96

Instrumentations expected in the near future:

- Extraction: QIACUBE HT
- Robotic systems: EPIMOTION 5075 NGS Solution (magnetic) and EPIMOTION 5075 VT (vacuum)
- dPCR: QIAcuity ONE
- qPCR: BIORAD CFX OPUS 384
- Nucleic acid quantification: QUBIT and TECAN Spark reader

News & further information

<https://www.uni-augsburg.de/de/fakultaet/med/profs/umweltmedizin/>

Services:

- Support in Microbiome related study design
- Sampling instructions
- DNA extraction (high throughput in progress)
- Library preparation (in progress)
- qPCR – multiplex possible
- dPCR (in progress)
- Data analysis (different service levels and inhouse tools available)



Contact Information:

Facility Location: Environmental Medicine
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collaboration with OMICS- and Sequencing Facility possible

Contact us:

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