

Philipp Franke

Head of Laboratory &
Co-Founder



Philipp Franke is a scientist with heart and soul. He studied biosystems engineering/ bioinformatics with a focus on method development, laboratory automation and nucleic acid sequencing at the University of Applied Sciences in Wildau.

Initially, he worked as a lecturer in cell biology and was involved in various projects related to the highly complex method of sequencing. In the process, he already came into contact with research into the microbiome, such as in connection with the microbiome of medical leeches. He then played a major role in the development of standards in high-throughput sequencing and in the development of a patent for the preparation of nucleic acids for high-throughput sequencing. After contributing to several publications, he finally became involved in the founding of BIOMES NGS GmbH in 2017. Since then, he has been responsible for the BIOMES laboratory as Head of Laboratory.

Through his diverse experience in the field of next-generation sequencing, Philipp has made a significant contribution to making BIOMES the gold standard in microbiome sequencing in Europe.

Professional Experience

2017

Co-founder and Head of Laboratory of BIOMES NGS GmbH

2012 - 2017

Scientific project staff member in the working group "Molecular Biotechnology and Functional Genomics", work in the area of NGS and standardisation

2009 - 2011

Tutor for Bioanalytics and Biohybrid Technologies

2012

Lecturer for the subject cell culture

Important scientific papers

- Master's thesis:
 - „Influence of selected β -carbolines on the expression of histone deacetylases“.
- Articles:
 - "Quality management in RT-qPCR".
BIOspektrum - February 2012, Volume 18, Issue 1, pp 42-45.
 - "Characterisation of the microbial symbiosis of leeches".
Scientific Contributions of UAS-Wildau 2013, January 2013, pp 8-12
- Scientific contributions:
 - "Screening and genetic characterization of thermo-tolerant *Synechocystis* sp. PCC6803 strains created by adaptive evolution" BMC Biotechnol. 2014; 14:66;
 - "Standardization and quality management in next-generation sequencing".
Applied & Translational Genomics 2016; 10:2-9
- Reviews:
 - Review and commentary of a DIN SPEC for NGS;
 - Review and commentary of an ISO standard for qPCR