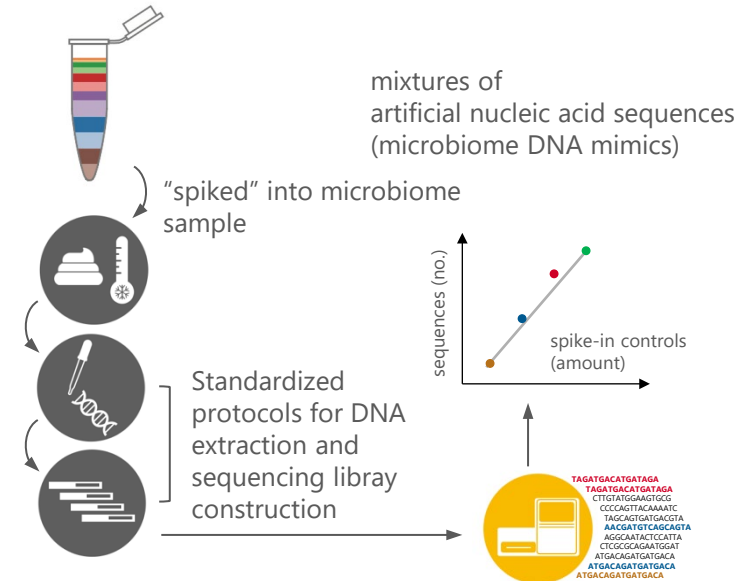


Dieter Tournlousse

Biosystems Engineering RG
バイオシステム応用研究グループ

Point

- High-throughput sequencing is revolutionizing microbiome research and development.
- We develop methods to improve the quantitative accuracy of microbiome measurements.
- We establish standardized protocols and create reference materials to enable absolute quantification and ensure data quality across studies.



主な研究業績

- Established standardized protocols for DNA extraction and library preparation for metagenomic analysis of human fecal microbiomes. (Tournlousse et al., Microbiome 2021).
- Developed synthetic DNA spike-in standards for cross-domain absolute quantification by rRNA gene amplicon sequencing. (Tournlousse & Sekiguchi, ISME Communications 2025).