

BtBs Seminars

Biotechnology and Biosciences Seminars



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From the Human Microbiome Project to Clinical Insights: Workflows for Shotgun Metagenomic Data Analysis and Community-Level Biomarkers

The Human Microbiome Project has profoundly reshaped our understanding of the role of microbial communities in human health and disease. However, translating microbiome research into clinically meaningful insights requires robust analytical workflows capable of handling complex shotgun metagenomic data. I will present a comprehensive workflow for the analysis of metagenomic data, from preprocessing and taxonomic profiling to functional characterization and integrative interpretation. Two case studies will illustrate how community-level alterations can serve as informative biomarkers, providing novel perspectives for risk stratification, early detection, and mechanistic understanding.



Thursday
March 12, 2026



U3-BIOS building
room U3-09



4.30 pm
to 5.30 pm

Host:
Chiara Damiani



The certificates of attendance for the seminar are also valid for the acquisition of CFU credits
For information, please visit the seminar's webpage

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