

Workshop 9: CAMI benchmarking portal: towards standards and best practices in computational metagenome analyses

Thursday 2 October 2025 10:45 (1h 30m)

We invite you to a hands-on workshop on the CAMI Benchmarking Portal (<https://cam-challenge.org>, Meyer et al., NAR 2025), an online platform that automates comprehensive evaluation and ranking of software for metagenomic analyses. The portal builds upon the metrics, datasets, and best practices established by the community-driven initiative for Critical Assessment of Metagenome Interpretation (CAMI).

This workshop will cover:

- An overview of the CAMI resources available to the community, including benchmark datasets, standards, and integrated evaluation software
- Exploring and interpreting results from CAMI benchmarking challenges and other users, and how to use the performance rankings to derive software recommendations, such as for integration in workflows
- Submitting your own metagenome assembly, genome and taxonomic binning, and taxonomic profiling results on CAMI datasets for benchmarking

The workshop is intended for researchers, developers, or anyone interested in microbiome analysis, metagenomics, and bioinformatics tool development, as well as good benchmarking principles.

Presenter: MEYER, Fernando (Helmholtz Centre for Infection Research)

Session Classification: From Pipelines to Portals: Next-Generation Tools for Microbiome Analysis