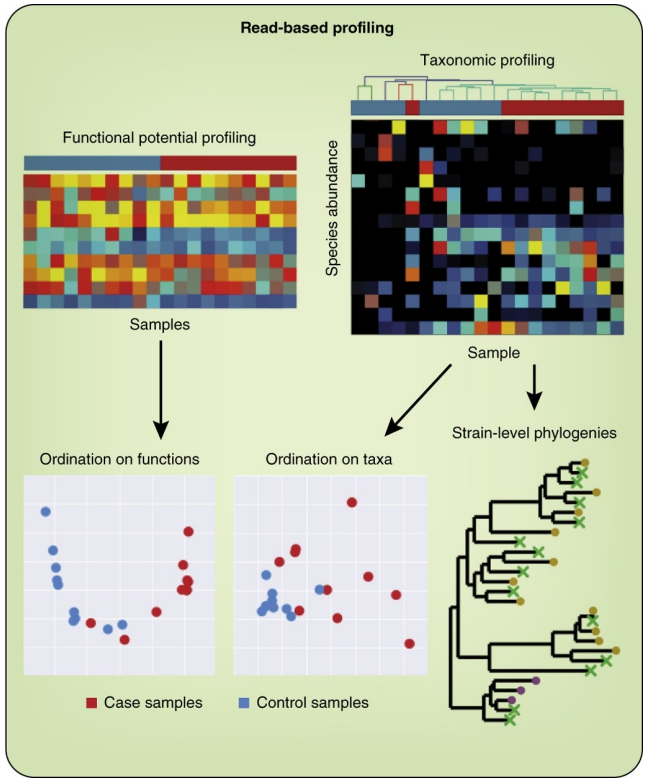
Microbial metagenomics

Wrap-up

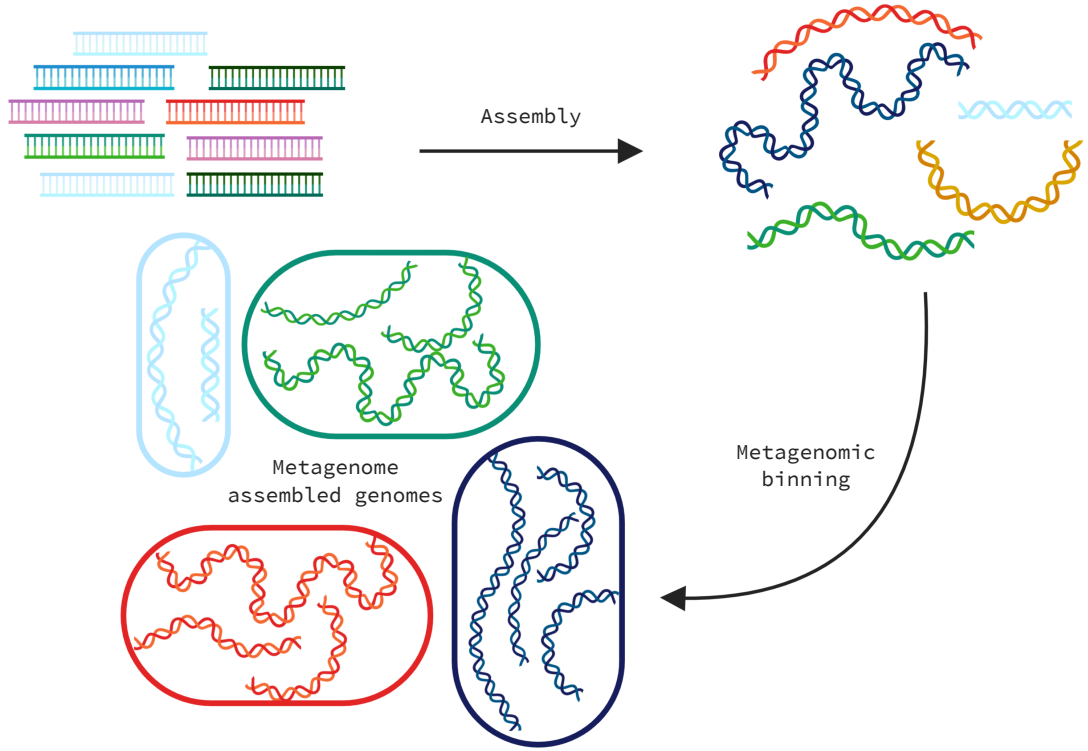
MMB-901

Microbial metagenomics

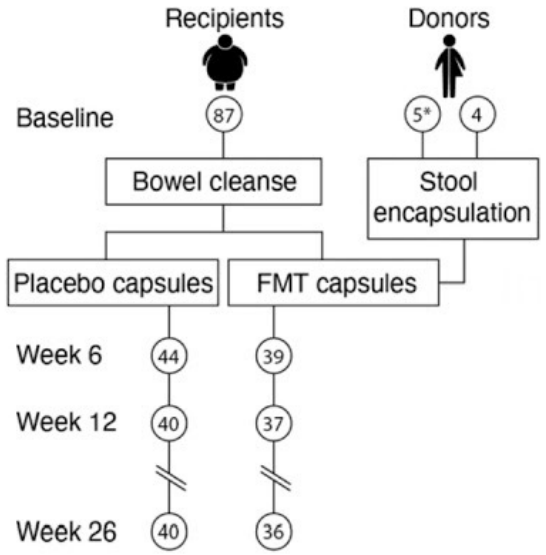
Read-based taxonomic profiling



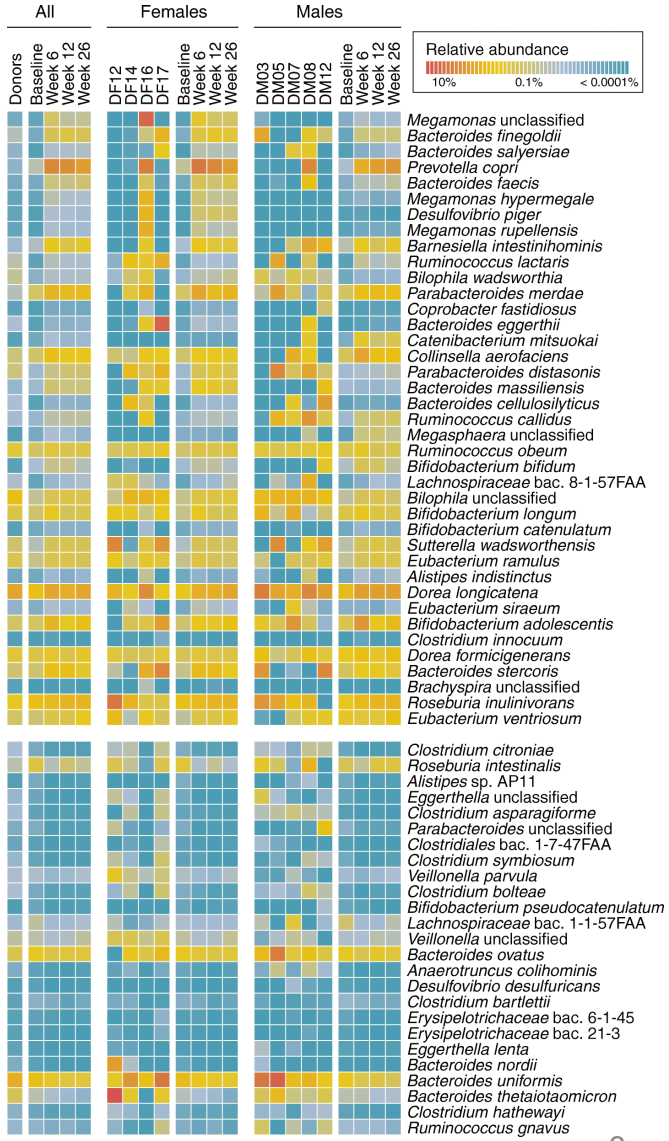
Genome-resolved metagenomics



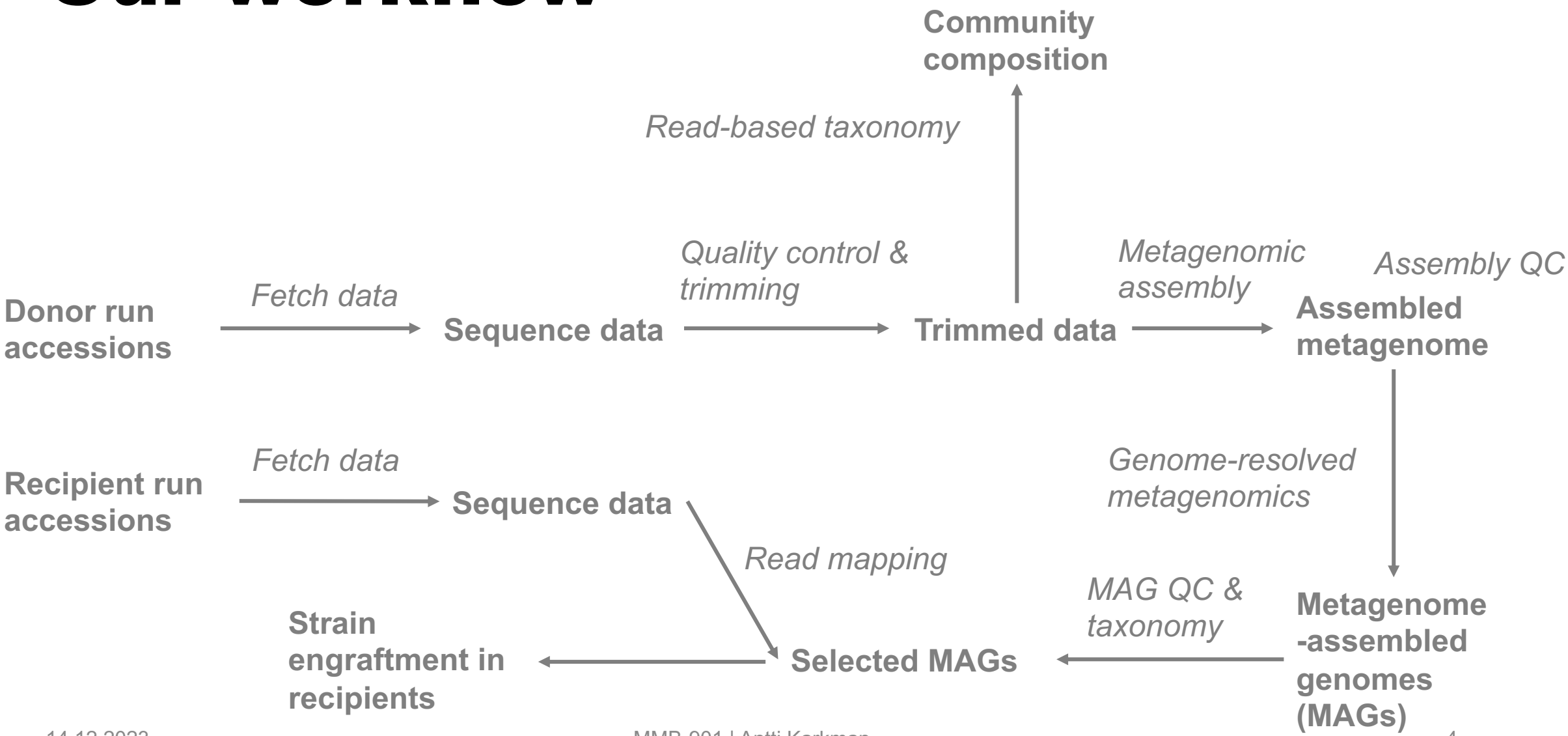
Fecal microbiota transplantation (FMT) experiment



In a new double-blind randomized control trial of FMT, researchers examined 87 adolescents with obesity receiving either multi-donor FMT or placebo



Our workflow



Results?

Learning outcomes

By completing this course, you will:

- Have a basic understanding of metagenomic sequencing technologies and bioinformatic approaches to analyse metagenomic data
- Be able to plan and execute a metagenomic sequencing project depending on the research questions.
- Have an up-to-date knowledge on the bioinformatic tools and best practices for the analysis of metagenomes.
- Be able to choose and critically evaluate new tools and approaches for specific research question
- Have confidence to learn and implement new bioinformatic methods using available documentation

Course completion and assessment

Completion

- Participation in teaching and practicals
- Weekly self-assessments during the course
- Group exam

Assessment

- Activity during the course (30 %)
- Weekly assessments (30 %)
- Group exam (20 %)
- Self evaluation at the end (20 %)

Questions / Comments