

# NFDI4MICROBIOTA

SECOND COMMUNITY WORKSHOP (2020-03-11)

## Report

The second NFDI4Microbiota Community Workshop took place on March 11th, 2020 during the 6th Joint Conference of the DGHM & VAAM (72nd Annual Meeting of the German Society for Hygiene and Microbiology (DGHM) and Annual Meeting 2020 of the Association for General and Applied Microbiology (VAAM)) in Leipzig. Members of the German microbiology community were informed about the NFDI4Microbiota consortium and asked their questions to the consortium members.

## PRACTICAL INFORMATION

- **Date and time:** 2020-03-11 11:00-12:30
- **Place:** University of Leipzig, Seminargebäude (room SR202), Augustusplatz 10, 04109 Leipzig, Germany
- **Estimated number of attendees:** 35

## NFDI4MICROBIOTA - NATIONAL RESEARCH DATA INFRASTRUCTURE FOR MICROBIOTA RESEARCH

- Speakers:
  - Prof. Dr. Konrad Förstner, ZB MED – Information Centre for Life Sciences & TH Köln – University of Applied Sciences
  - Prof. Dr. Alice McHardy, Helmholtz Centre for Infection Research
- Slides: <https://doi.org/10.5281/zenodo.3699176>

## SUMMARY OF ANSWERS TO THE AUDIENCE'S QUESTIONS

- The German federal and state governments envisage funding up to **30 NFDI consortia**. It is important to note that this is not a competition: if two consortia from the same research community apply, none of them might be funded as this shows a lack of coordination and cooperation within this specific research community.
- The main **aim** of NFDI4Microbiota is to provide an infrastructure and services to the German Microbiology Community reflecting researchers' needs.
- NFDI4Microbiota intends to cover:
  - All **microorganism types**: bacteria, archaea, protozoa, algae, fungi, viruses, and multicellular animal parasites
  - Various **subject areas**: parasitology, synthetic microbiology, gut microbiology, plant-associated microbiome, etc.
  - Various **omics data types**: (meta-) genomics, (meta-) proteomics, (meta-) transcriptomics and (meta-) metabolomics

N.B.: the human genome should be covered by the NFDI consortium German Human Genome-Phenome Archive (GHGA).

- NFDI4Microbiota intends to offer various **services** such as:
  - o Standardization and mobilization of existing data
  - o Data quality scoring
  - o Data storage management
  - o Access to literature
  - o Long-term storage for existing meta data and data complementary to existing solution
- NFDI4Microbiota will first provide its infrastructure and services on a **national level** because the funding will come from the German federal and state governments. Then, the consortium will establish collaborations with **European and international initiatives**.
- NFDI4Microbiota intends to create a **data workflow** that sends the data directly from data generators such as sequencing centers into the NFDI4Microbiota infrastructure (where the data will be enriched with metadata). The data will then be deposited into existing repositories (e.g., European Nucleotide Archive (ENA), Sequence Read Archive (SRA)). Data redundancy is not bad but has to be orchestrated on a international level.
- NFDI4Microbiota will offer **training** (e.g., in data storage management), and connect with existing entities that already provide training (e.g., de.NBI, one of NFDI4Microbiota co-applicants, already provides 90 training courses a year, including on Galaxy).
- Please **contact** us (contact@nfdi4microbiota.de) if you want to be a NFDI4Microbiota participant, contribute with your ideas and/or share your needs (especially if these are specific and/or if you are part of a niche research community).