

Vision and Mission

Our vision is to connect data, people, and ideas to advance microbiome innovation and discovery.



The NMDC supports a FAIR microbiome data sharing network through infrastructure, data standards, and community building that addresses pressing challenges in environmental sciences.

By the Numbers

The NMDC has hosted or participated in over **100 events** and reached more than **4,500** researchers.

The NMDC has processed nearly **646** metagenomes and **996** organic matter datasets.

Contact us

Interested in joining our vision?
Send us an email at
support@microbiomedata.org

Learn more and subscribe to our newsletter at
www.microbiomedata.org



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**NATIONAL
MICROBIOME
DATA
COLLABORATIVE**

FAIR Data

FAIR is a set of principles that stands for **Findability, Accessibility, Interoperability, and Reusability**.

Why is it important to standardize data?

By standardizing metadata, all researchers are able to access and use open data in their research, regardless of their home institution.

The NMDC Data Portal makes multi-omic microbiome data FAIR

Open Data

The NMDC connects many different open and FAIR datasets, including:



Metagenomes



Metaproteomes



Environmental parameters



Metatranscriptomes



Metabolomes



Geolocation

Products



Submission Portal

Contribute your own biosample data and metadata



Data Portal

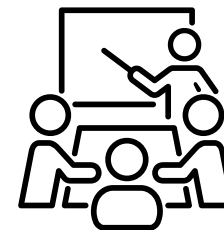
Discover diverse sets of microbiome information



NMDC EDGE

Process multi-omics data with streamlined end-to-end bioinformatics workflows

Engagement



You can shape the future of microbiome research!

Early career researchers can apply to our **Ambassador** program. Other microbiome researchers can serve as **Champions**. You can share the NMDC tools within your institution, help us conduct usability testing, serve as software beta testers, host or co-host training sessions, and promote the NMDC mission.



Scan the QR code and learn more about the benefits of becoming a **Champion** or **Ambassador** on our website!