

Resource Summary Report

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Human Microbiome Project

RRID:SCR_012956

Type: Tool

Proper Citation

Human Microbiome Project (RRID:SCR_012956)

Resource Information

URL: <https://commonfund.nih.gov/hmp/>

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Description: NIH Project to generate resources to characterize the human microbiota and to analyze its role in human health and disease at several different sites on the human body, including nasal passages, oral cavities, skin, gastrointestinal tract, and urogenital tract using metagenomic and traditional approach to genomic DNA sequencing studies.HMP was supported by the Common Fund from 2007 to 2016.

Abbreviations: HMP, NIH HMP, HMP1

Synonyms: Human Microbiome Project, NIH HMP, HMP1, HMP, NIH Human Microbiome Project

Resource Type: portal, project portal, data or information resource

Keywords: generate, resource, human, body, microbiota, analyze, health, disease, metagenomic, DNA, sequesncing, data

Funding: NIH

Availability: Restricted

Resource Name: Human Microbiome Project

Resource ID: SCR_012956

Alternate IDs: nif-0000-25316

Alternate URLs: <https://www.hmpdacc.org/ihmp/>, <https://www.hmpdacc.org/hmp>

Old URLs: <http://nihroadmap.nih.gov/hmp/>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20250417T065423+0000

Ratings and Alerts

No rating or validation information has been found for Human Microbiome Project.

No alerts have been found for Human Microbiome Project.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 352 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Petrone BL, et al. (2025) A pilot study of metaproteomics and DNA metabarcoding as tools to assess dietary intake in humans. *Food & function*, 16(1), 282.

Ni M, et al. (2025) Epigenetic phase variation in the gut microbiome enhances bacterial adaptation. *bioRxiv : the preprint server for biology*.

Alam Y, et al. (2025) Variation in human gut microbiota impacts tamoxifen pharmacokinetics. *mBio*, 16(1), e0167924.

Molinsky RL, et al. (2025) Association Between Dietary Patterns and Subgingival Microbiota: Results From the Oral Infections, Glucose Intolerance, and Insulin Resistance Study (ORIGINS). *Journal of clinical periodontology*, 52(1), 2.

Fang Q, et al. (2025) The relationship between prenatal drought exposure and the diversity and composition of gut microbiome in pregnant women and neonates. *Scientific reports*, 15(1), 296.

Chen YC, et al. (2025) PreLect: Prevalence leveraged consistent feature selection decodes microbial signatures across cohorts. *NPJ biofilms and microbiomes*, 11(1), 3.

Crouch AL, et al. (2024) Metagenomic discovery of microbial eukaryotes in stool microbiomes. *mBio*, 15(10), e0206324.

Branck T, et al. (2024) Comprehensive profile of the companion animal gut microbiome integrating reference-based and reference-free methods. *The ISME journal*, 18(1).

Wang Z, et al. (2024) Taxanorm: a novel taxa-specific normalization approach for microbiome data. *BMC bioinformatics*, 25(1), 304.

Yang JX, et al. (2024) Gene horizontal transfers and functional diversity negatively correlated with bacterial taxonomic diversity along a nitrogen gradient. *NPJ biofilms and microbiomes*, 10(1), 128.

Do K, et al. (2024) A novel clinical metaproteomics workflow enables bioinformatic analysis of host-microbe dynamics in disease. *mSphere*, 9(6), e0079323.

Colosimo R, et al. (2024) Colonic in vitro fermentation of mycoprotein promotes shifts in gut microbiota, with enrichment of *Bacteroides* species. *Communications biology*, 7(1), 272.

Pérez-Prieto I, et al. (2024) Gut microbiome in endometriosis: a cohort study on 1000 individuals. *BMC medicine*, 22(1), 294.

Petrone BL, et al. (2024) Metaproteomics and DNA metabarcoding as tools to assess dietary intake in humans. *bioRxiv : the preprint server for biology*.

De Giani A, et al. (2024) Positive modulation of a new reconstructed human gut microbiota by Maitake extract helpfully boosts the intestinal environment in vitro. *PloS one*, 19(4), e0301822.

Ma T, et al. (2024) Association of the Infant Gut Microbiome with Temperament at Nine Months of Age: A Michigan Cohort Study. *Microorganisms*, 12(1).

McKee K, et al. (2024) Host factors are associated with vaginal microbiome structure in pregnancy in the ECHO Cohort Consortium. *Scientific reports*, 14(1), 11798.

Ma SY, et al. (2024) A comparative study of microbial changes in dental plaque before and after single- and multiappointment treatments in patients with severe early childhood caries. *BMC oral health*, 24(1), 695.

Ke S, et al. (2024) Rational Design of Live Biotherapeutic Products for the Prevention of *Clostridioides difficile* Infection. *bioRxiv : the preprint server for biology*.

Zhu B, et al. (2024) A Spatial Multi-Modal Dissection of Host-Microbiome Interactions within the Colitis Tissue Microenvironment. *bioRxiv : the preprint server for biology*.