

Resource Summary Report

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biobakery

RRID:SCR_016596

Type: Tool

Proper Citation

biobakery (RRID:SCR_016596)

Resource Information

URL: <https://bitbucket.org/biobakery/biobakery/wiki/Home>

Proper Citation: biobakery (RRID:SCR_016596)

Description: Analysis environment and collection of individual software tools to process raw shotgun metagenome or metatranscriptome sequencing data for quantitative microbial community profiling. Used for a metaomics data analysis., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: bioBakery, biobakery

Resource Type: software toolkit, software resource, data processing software, software application, data analysis software

Defining Citation: [PMID:29194469](#)

Keywords: Huttenhower lab, metaomics, data, analysis, process, raw, shotgun, metagenome, metatranscriptome, sequencing, microbial, profiling, bio.tools

Funding: NIDDK U54 DE023798;
Sloan Foundation 4406J0B;
NHGRI R01 HG005220;
NSF DBI1053486;
NHGRI R01 HG005969;
ARO W911NF1110473

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: biobakery

Resource ID: SCR_016596

Alternate IDs: biotools:biobakery

Alternate URLs: <http://huttenhower.sph.harvard.edu/biobakery>, <https://bio.tools/biobakery>

License: MIT license

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260803T040720+0000

Ratings and Alerts

No rating or validation information has been found for biobakery.

No alerts have been found for biobakery.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Yang X, et al. (2025) Taurine alleviates hyperuricemia-induced nephropathy in rats: insights from microbiome and metabolomics. *Frontiers in nutrition*, 12, 1587198.

Morder KM, et al. (2025) Sucralose Consumption Ablates Cancer Immunotherapy Response through Microbiome Disruption. *Cancer discovery*, 15(11), 2278.

Wang R, et al. (2024) From transients to permanent residents: the existence of obligate aerobic microorganisms in the goat rumen. *Frontiers in microbiology*, 15, 1325505.

Zhao X, et al. (2024) Yinchenhao Decoction Protects Against Acute Liver Injury in Mice With Biliary Acute Pancreatitis by Regulating the Gut Microflora-Bile Acids-Liver Axis. *Gastroenterology research and practice*, 2024, 8882667.

Zheng J, et al. (2024) Noninvasive, microbiome-based diagnosis of inflammatory bowel disease. *Nature medicine*, 30(12), 3555.

Yang R, et al. (2024) Inspecting mother-to-infant microbiota transmission: disturbance of strain inheritance by cesarian section. *Frontiers in microbiology*, 15, 1292377.

Xu Y, et al. (2023) Airborne microbes in five important regions of Chinese traditional distilled liquor (Baijiu) brewing: regional and seasonal variations. *Frontiers in microbiology*, 14, 1324722.

Ning L, et al. (2023) Microbiome and metabolome features in inflammatory bowel disease via multi-omics integration analyses across cohorts. *Nature communications*, 14(1), 7135.

Wang Z, et al. (2023) Composition and functional profiles of gut microbiota reflect the treatment stage, severity, and etiology of acute pancreatitis. *Microbiology spectrum*, 11(5), e0082923.

Yang S, et al. (2022) Resveratrol Improves the Digestive Ability and the Intestinal Health of Siberian Sturgeon. *International journal of molecular sciences*, 23(19).

Wang S, et al. (2021) Metagenomic analysis of mother-infant gut microbiome reveals global distinct and shared microbial signatures. *Gut microbes*, 13(1), 1.

Chang YL, et al. (2019) A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. *Mucosal immunology*, 12(2), 457.

Bastiaanssen TFS, et al. (2019) Making Sense of ??? the Microbiome in Psychiatry. *The international journal of neuropsychopharmacology*, 22(1), 37.