Differences in Gut Metabolites and Microbial Composit and U.S. Children Are Consistent with Their Diets

MSystems

2,

DOI: 10.1128/msystems.00169-16

Citation Report

#	Article	IF	Citations
1	Mechanisms and consequences of intestinal dysbiosis. Cellular and Molecular Life Sciences, 2017, 74, 2959-2977.	2.4	401
2	Advantages of phylogenetic distance based constrained ordination analyses for the examination of microbial communities. Scientific Reports, 2017, 7, 6481.	1.6	40
3	Adherence to the Mediterranean diet is associated with the gut microbiota pattern and gastrointestinal characteristics in an adult population. British Journal of Nutrition, 2017, 117, 1645-1655.	1.2	221
4	Old Fashioned vs. Ultra-Processed-Based Current Diets: Possible Implication in the Increased Susceptibility to Type 1 Diabetes and Celiac Disease in Childhood. Foods, 2017, 6, 100.	1.9	50
5	Fructose: A Dietary Sugar in Crosstalk with Microbiota Contributing to the Development and Progression of Non-Alcoholic Liver Disease. Frontiers in Immunology, 2017, 8, 1159.	2.2	132
6	Potential and active functions in the gut microbiota of a healthy human cohort. Microbiome, 2017, 5, 79.	4.9	123
7	A Lachnospiraceae-dominated bacterial signature in the fecal microbiota of HIV-infected individuals from Colombia, South America. Scientific Reports, 2018, 8, 4479.	1.6	34
8	Impact of dietary compounds on cancer-related gut microbiota and microRNA. Applied Microbiology and Biotechnology, 2018, 102, 4291-4303.	1.7	15
9	Characterization of the Stool Microbiome in Hispanic Preschool Children by Weight Status and Time. Childhood Obesity, 2018, 14, 122-130.	0.8	21
10	Insights on the Role of Fiber in Colonic Microbiota Health. , 2018, , 41-66.		2
11	Similarities and differences in gut microbiome composition correlate with dietary patterns of Indian and Chinese adults. AMB Express, 2018, 8, 104.	1.4	55
12	Association between eating behaviour and diet quality: eating alone vs. eating with others. Nutrition Journal, 2018, 17, 117.	1.5	46
13	Effect of Food Thermal Processing on the Composition of the Gut Microbiota. Journal of Agricultural and Food Chemistry, 2018, 66, 11500-11509.	2.4	50
14	Shifts on Gut Microbiota Associated to Mediterranean Diet Adherence and Specific Dietary Intakes on General Adult Population. Frontiers in Microbiology, 2018, 9, 890.	1.5	392
15	A critical review on the impacts of Î²-glucans on gut microbiota and human health. Journal of Nutritional Biochemistry, 2018, 61, 101-110.	1.9	208
16	Intestinal Epithelial Cells Regulate Gut Eotaxin Responses and Severity of Allergy. Frontiers in Immunology, 2018, 9, 1692.	2.2	14
17	Impact of gut microbiota on neurological diseases: Diet composition and novel treatments. Critical Reviews in Food Science and Nutrition, 2019, 59, 3102-3116.	5.4	68
18	Amish (Rural) vs. non-Amish (Urban) Infant Fecal Microbiotas Are Highly Diverse and Their Transplantation Lead to Differences in Mucosal Immune Maturation in a Humanized Germfree Piglet Model. Frontiers in Immunology, 2019, 10, 1509.	2.2	31

#	Article	IF	Citations
19	Japanese Diet Score Is Associated with Gut Microbiota Composition in Young Japanese Adults. Journal of Nutritional Science and Vitaminology, 2019, 65, 414-420.	0.2	10
20	Predictors of Obesity among Gut Microbiota Biomarkers in African American Men with and without Diabetes. Microorganisms, 2019, 7, 320.	1.6	27
21	Plant-Based Fat, Dietary Patterns Rich in Vegetable Fat and Gut Microbiota Modulation. Frontiers in Nutrition, 2019, 6, 157.	1.6	38
22	The Effects of Dietary Pattern during Intensified Training on Stool Microbiota of Elite Race Walkers. Nutrients, 2019, 11, 261.	1.7	62
23	Metabolomics and Microbiomes as Potential Tools to Evaluate the Effects of the Mediterranean Diet. Nutrients, 2019, 11, 207.	1.7	62
24	Potential Role for the Gut Microbiota in Modulating Host Circadian Rhythms and Metabolic Health. Microorganisms, 2019, 7, 41.	1.6	191
25	An untargeted fecal and urine metabolomics analysis of the interplay between the gut microbiome, diet and human metabolism in Indian and Chinese adults. Scientific Reports, 2019, 9, 9191.	1.6	66
26	Precision Nutrition and the Microbiome, Part I: Current State of the Science. Nutrients, 2019, 11, 923.	1.7	220
27	Factors that influence dietary behavior toward iron and vitamin D consumption based on the theory of planned behavior in Iranian adolescent girls. Nutrition Journal, 2019, 18, 8.	1.5	20
28	Gut Prevotella as a possible biomarker of diet and its eubiotic versus dysbiotic roles: a comprehensive literature review. British Journal of Nutrition, 2019, 122, 131-140.	1.2	204
29	DirtyGenes: testing for significant changes in gene or bacterial population compositions from a small number of samples. Scientific Reports, 2019, 9, 2373.	1.6	11
30	Phagocytosis of Gut Bacteria by Entamoeba histolytica. Frontiers in Cellular and Infection Microbiology, 2019, 9, 34.	1.8	36
31	Developments on the Applications and the Suitability of Functional Fermented Sour Sobya as a Viable Source of Novel Probiotics in the Managements of Gastrointestinal Disorders and Blood Lipid Profiles. , 2019, , 579-602.		1
32	Effect of in vitro digestion-fermentation on green and roasted coffee bioactivity: The role of the gut microbiota. Food Chemistry, 2019, 279, 252-259.	4.2	33
33	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. Cell Metabolism, 2020, 31, 115-130.e6.	7.2	172
34	Toxigenic gut bacteria, diet and colon carcinogenesis. Journal of the Royal Society of New Zealand, 2020, 50, 418-433.	1.0	3
35	Dietary Factors Associated with Asthma Prevalence Among Children in California. Pediatric, Allergy, Immunology, and Pulmonology, 2020, 33, 85-91.	0.3	1
36	Targeting the gut microbiota by Asian and Western dietary constituents: a new avenue for diabetes. Toxicology Research, 2020, 9, 569-577.	0.9	15

#	Article	IF	Citations
37	Gut microbiome profiling of a rural and urban South African cohort reveals biomarkers of a population in lifestyle transition. BMC Microbiology, 2020, 20, 330.	1.3	24
38	Meal Regularity Plays a Role in Shaping the Saliva Microbiota. Frontiers in Microbiology, 2020, 11, 757.	1.5	5
39	Adherence to â€œdietary approaches to stop hypertensionâ€•eating plan in relation to gastric cancer. Nutrition Journal, 2020, 19, 40.	1.5	10
40	The Impact of Diet on Microbiota Evolution and Human Health. Is Diet an Adequate Tool for Microbiota Modulation?. Nutrients, 2020, 12, 1654.	1.7	39
41	Tolerable upper intake level of iron damages the intestine and alters the intestinal flora in weaned piglets. Metallomics, 2020, 12, 1356-1369.	1.0	21
42	Differential MicroRNA Signatures in the Pathogenesis of Barrett's Esophagus. Clinical and Translational Gastroenterology, 2020, 11, e00125.	1.3	21
43	Microbiome Composition in Pediatric Populations from Birth to Adolescence: Impact of Diet and Prebiotic and Probiotic Interventions. Digestive Diseases and Sciences, 2020, 65, 706-722.	1.1	73
44	Bioactivity of food melanoidins is mediated by gut microbiota. Food Chemistry, 2020, 316, 126309.	4.2	75
45	Communal living: glycan utilization by the human gut microbiota. Environmental Microbiology, 2021, 23, 15-35.	1.8	42
46	Gut microbiome dysbiosis and correlation with blood biomarkers in active-tuberculosis in endemic setting. PLoS ONE, 2021, 16, e0245534.	1.1	14
47	The Impact of Migration on the Gut Metagenome of South Asian Canadians. Gut Microbes, 2021, 13, 1-29.	4.3	14
48	Microbiota as a Regulator of Circadian Rhythmsâ€”Special Focus on Sleep and Metabolism. , 2021, , 69-69.		1
50	Human OMICs and Computational Biology Research in Africa: Current Challenges and Prospects. OMICS A Journal of Integrative Biology, 2021, 25, 213-233.	1.0	13
51	A single serving of mixed spices alters gut microflora composition: a doseâ€“response randomised trial. Scientific Reports, 2021, 11, 11264.	1.6	7
52	A Systematic Review of Dietary Influences on Fecal Microbiota Composition and Function among Healthy Humans 1â€“20 Years of Age. Advances in Nutrition, 2021, 12, 1734-1750.	2.9	10
53	Exploring the signature gut and oral microbiome in individuals of specific Ayurveda prakriti. Journal of Biosciences, 2021, 46, 1.	0.5	4
54	Strenuous Physical Training, Physical Fitness, Body Composition and Bacteroides to Prevotella Ratio in the Gut of Elderly Athletes. Frontiers in Physiology, 2021, 12, 670989.	1.3	19
55	An in vitro batch fermentation protocol for studying the contribution of food to gut microbiota composition and functionality. Nature Protocols, 2021, 16, 3186-3209.	5.5	83

#	Article	IF	Citations
56	Topological Data Analysis Highlights Novel Geographical Signatures of the Human Gut Microbiome. Frontiers in Artificial Intelligence, 2021, 4, 680564.	2.0	3
57	Chinese gut microbiota and its associations with staple food type, ethnicity, and urbanization. Npj Biofilms and Microbiomes, 2021, 7, 71.	2.9	37
58	Distinguishing feature of gut microbiota in Tibetan highland coronary artery disease patients and its link with diet. Scientific Reports, 2021, 11, 18486.	1.6	16
59	Development of Microbiota - Is the Process Continuing Through Adolescence?. , 2022, , 59-68.		2
60	NON-ALCOHOLIC FATTY LIVER DISEASE IN THE CONTEXT OF ALTERED GUT MICROBIOTA. WiadomoÅ›ci Lekarskie, 2021, 74, 1007-1010.	0.1	1
61	Enterotype Variations of the Healthy Human Gut Microbiome in Different Geographical Regions. Bioinformation, 2018, 14, 560-573.	0.2	65
62	Dietary networks identified by Gaussian graphical model and general and abdominal obesity in adults. Nutrition Journal, 2021, 20, 86.	1.5	4
63	Metagenomic Analysis Reveals the Fate of Antibiotic Resistance Genes in a Full-Scale Wastewater Treatment Plant in Egypt. Sustainability, 2021, 13, 11131.	1.6	3
64	Compositional variation of the human fecal microbiome in relation to azo-reducing activity: a pilot study. Gut Pathogens, 2021, 13, 58.	1.6	4
66	Application of culture-based, mass spectrometry and molecular methods to the study of gut microbiota in children. Bulletin of Russian State Medical University, 2019, , 54-65.	0.3	3
67	Molecular characterization of the gut microbiome in egyptian patients with remitting relapsing multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 57, 103354.	0.9	5
69	A calorie-restricted diet enriched with tree nuts and peanuts reduces the expression of CX3CR1 in peripheral blood mononuclear cells in patients with coronary artery disease. International Journal for Vitamin and Nutrition Research, 2021, , .	0.6	0
70	Dietary Regulation of Gut-Brain Axis in Alzheimerâ€™s Disease: Importance of Microbiota Metabolites. Frontiers in Neuroscience, 2021, 15, 736814.	1.4	24
71	Human microbiota research in Africa: a systematic review reveals gaps and priorities for future research. Microbiome, 2021, 9, 241.	4.9	21
72	Microalgae Bioactive Carbohydrates as a Novel Sustainable and Eco-Friendly Source of Prebiotics: Emerging Health Functionality and Recent Technologies for Extraction and Detection. Frontiers in Nutrition, 2022, 9, 806692.	1.6	26
73	Gut Microbiota Modulation of Moderate Undernutrition in Infants through Gummy Lactobacillus plantarum Dad-13 Consumption: A Randomized Double-Blind Controlled Trial. Nutrients, 2022, 14, 1049.	1.7	10
74	Associations of physical activity with gut microbiota in pre-adolescent children. Physical Activity and Nutrition, 2021, 25, 24-37.	0.4	6
75	Gut microbiota alterations and nutritional intervention in multiple sclerosis disease. Food Reviews International, 2023, 39, 5279-5296.	4.3	1

#	Article	IF	Citations
81	Domestic Environment and Gut Microbiota: Lessons from Pet Dogs. Microorganisms, 2022, 10, 949.	1.6	7
82	Metabolites of Gut Microbiota and Possible Implication in Development of Diabetes Mellitus. Journal of Agricultural and Food Chemistry, 2022, 70, 5945-5960.	2.4	19
83	Gut Microbiota Markers and Dietary Habits Associated with Extreme Longevity in Healthy Sardinian Centenarians. Nutrients, 2022, 14, 2436.	1.7	18
84	Impact of Geographical Location on the Gut Microbiota Profile in Egyptian Children with Type 1 Diabetes Mellitus: A Pilot Study. International Journal of General Medicine, 0, Volume 15, 6173-6187.	0.8	3
85	Evidence Suggesting the Role of Gut Dysbiosis in Diabetic Retinopathy. , 2022, 63, 21.		6
86	Update to the Treatment of Parkinsonâ€™s Disease Based on the Gut-Brain Axis Mechanism. Frontiers in Neuroscience, 0, 16, .	1.4	11
87	Individuality and ethnicity eclipse a short-term dietary intervention in shaping microbiomes and viromes. PLoS Biology, 2022, 20, e3001758.	2.6	8
88	Regulatory Effect of Isomaltodextrin on a High-Fat Diet Mouse Model with LPS-Induced Low-Grade Chronic Inflammation. Journal of Agricultural and Food Chemistry, 2022, 70, 11258-11273.	2.4	2
89	Molecular Genomic Study of Inhibin Molecule Production through Granulosa Cell Gene Expression in Inhibin-Deficient Mice. Molecules, 2022, 27, 5595.	1.7	0
90	Antioxidant Activity of Vitis davidii Foex Seed and Its Effects on Gut Microbiota during Colonic Fermentation after In Vitro Simulated Digestion. Foods, 2022, 11, 2615.	1.9	4
92	The Use of Gut Microbial Modulation Strategies as Interventional Strategies for Ageing. Microorganisms, 2022, 10, 1869.	1.6	5
94	Enterotypes in asthenospermia patients with obesity. Scientific Reports, 2022, 12, .	1.6	1
95	The Therapeutic Role of Short-Chain Fatty Acids Mediated Very Low-Calorie Ketogenic Dietâ€“Gut Microbiota Relationships in Paediatric Inflammatory Bowel Diseases. Nutrients, 2022, 14, 4113.	1.7	15
96	Microbiome Applications for Sustainable Food Systems. , 2023, , 243-273.		0
97	Transcriptomic and physiological responses of Rhizobium sp. IRBG74 to Sesbania cannabina and rice (Oryza sativa L) rhizosphere. Plant and Soil, 2023, 483, 515-532.	1.8	2
98	Following the Indian Immigrant: adoption of westernization results in a western gut microbiome and an increased risk of inflammatory bowel diseases. FEMS Microbiology Ecology, 0, , .	1.3	1
99	Environmental influences on childhood asthmaâ€”The effect of diet and microbiome on asthma. Pediatric Allergy and Immunology, 2022, 33, .	1.1	9
100	The role of Akkermansia muciniphila in inflammatory bowel disease: Current knowledge and perspectives. Frontiers in Immunology, 0, 13, .	2.2	22

#	Article	IF	Citations
101	Responses of the colonic microbiota and metabolites during fermentation of alginate oligosaccharides in normal individuals: An in vitro and in vivo study. Food Bioscience, 2023, 52, 102413.	2.0	2
102	The effects of fresh mango consumption on gut health and microbiome â€“ Randomized controlled trial. Food Science and Nutrition, 2023, 11, 2069-2078.	1.5	5