

The Effect of Diet on the Human Gut Microbiome: A Metagenomic Study in Gnotobiotic Mice

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Human Intestinal Microbiota and Microbiome. , 0, , 635-644.		0
2	Gut Check: Testing a Role for the Intestinal Microbiome in Human Obesity. Science Translational Medicine, 2009, 1, 6ps7.	5.8	24
3	Obesity, Metabolic Syndrome, and Microbiota. Journal of Clinical Gastroenterology, 2010, 44, S16-S18.	1.1	98
4	Impact of diet in shaping gut microbiota revealed by a comparative study in children from Europe and rural Africa. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14691-14696.	3.3	4,561
5	Germ-free C57BL/6J mice are resistant to high-fat-diet-induced insulin resistance and have altered cholesterol metabolism. FASEB Journal, 2010, 24, 4948-4959.	0.2	425
6	Dairy Livestock Methane Remediation and Global Warming. Journal of Community Health, 2010, 35, 500-502.	1.9	11
7	Alignment and clustering of phylogenetic markers - implications for microbial diversity studies. BMC Bioinformatics, 2010, 11, 152.	1.2	63
8	Liver fatty acid-binding protein and obesity. Journal of Nutritional Biochemistry, 2010, 21, 1015-1032.	1.9	180
9	Creating and characterizing communities of human gut microbes in gnotobiotic mice. ISME Journal, 2010, 4, 1094-1098.	4.4	116
10	Postprandial remodeling of the gut microbiota in Burmese pythons. ISME Journal, 2010, 4, 1375-1385.	4.4	229
11	Germ-free C57BL/6J mice are resistant to high-fat-diet-induced insulin resistance and have altered cholesterol metabolism. FASEB Journal, 2010, 24, 4948-4959.	0.2	321
12	Gut Microbial Gene Expression in Mother-Fed and Formula-Fed Piglets. PLoS ONE, 2010, 5, e12459.	1.1	98
13	Microbial Community Development in a Dynamic Gut Model Is Reproducible, Colon Region Specific, and Selective for <i>Bacteroidetes</i> and <i>Clostridium</i> Cluster IX. Applied and Environmental Microbiology, 2010, 76, 5237-5246.	1.4	272
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17	Deficits in gastrointestinal responses controlling food intake and body weight. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1423-R1439.	0.9	54
18	The Human Microbiome Project, Personalized Medicine and the Birth of Pharmacomicrobiomics. Current Pharmacogenomics and Personalized Medicine, 2010, 8, 182-193.	0.2	72

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19	Intestinal microbiota and blue baby syndrome. <i>Gut Microbes</i> , 2010, 1, 359-366.	4.3	22
20	Les lipopolysaccharides bactériens et les maladies métaboliques. <i>Cahiers De Nutrition Et De Dietetique</i> , 2010, 45, 114-121.	0.2	0
21	Obesity, Diabetes, and Gut Microbiota. <i>Diabetes Care</i> , 2010, 33, 2277-2284.	4.3	557
22	Genetics and Environmental Interactions Shape the Intestinal Microbiome to Promote Inflammatory Bowel Disease Versus Mucosal Homeostasis. <i>Gastroenterology</i> , 2010, 139, 1816-1819.	0.6	156
23	Adapting functional genomic tools to metagenomic analyses: investigating the role of gut bacteria in relation to obesity. <i>Briefings in Functional Genomics</i> , 2010, 9, 355-361.	1.3	6
24	Metabolic Syndrome and Altered Gut Microbiota in Mice Lacking Toll-Like Receptor 5. <i>Science</i> , 2010, 328, 228-231.	6.0	1,804
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38	Human intestinal microbiota: cross-talk with the host and its potential role in colorectal cancer. <i>Critical Reviews in Microbiology</i> , 2011, 37, 1-14.	2.7	99
39	Metagenomic biomarker discovery and explanation. <i>Genome Biology</i> , 2011, 12, R60.	13.9	11,192
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42	Human-Associated Microbial Signatures: Examining Their Predictive Value. <i>Cell Host and Microbe</i> , 2011, 10, 292-296.	5.1	134
43	Microbiome and Malignancy. <i>Cell Host and Microbe</i> , 2011, 10, 324-335.	5.1	480
44	The Guts of Dietary Habits. <i>Science</i> , 2011, 334, 45-46.	6.0	32
45	Mechanisms controlling pathogen colonization of the gut. <i>Current Opinion in Microbiology</i> , 2011, 14, 82-91.	2.3	345
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56	Gut microbiome, obesity, and metabolic dysfunction. Journal of Clinical Investigation, 2011, 121, 2126-2132.	3.9	703
57	Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils. Environmental Health Perspectives, 2011, 119, 1629-1634.	2.8	156
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75	Gut microbiota and diabetes: from pathogenesis to therapeutic perspective. <i>Acta Diabetologica</i> , 2011, 48, 257-273.	1.2	199
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91	Predominant Effect of Host Genetics on Levels of <i>Lactobacillus johnsonii</i> Bacteria in the Mouse Gut. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6531-6538.	1.4	39

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93	Succession of microbial consortia in the developing infant gut microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4578-4585.	3.3	2,108
94	Composition, variability, and temporal stability of the intestinal microbiota of the elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4586-4591.	3.3	1,418
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143	Dysfunction of the intestinal microbiome in inflammatory bowel disease and treatment. <i>Genome Biology</i> , 2012, 13, R79.	13.9	2,258
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163	Changes in human gut flora with age: an Indian familial study. <i>BMC Microbiology</i> , 2012, 12, 222.	1.3	36

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165	Recent Advances in the Role of Probiotics in Human Inflammation and Gut Health. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8249-8256.	2.4	64
166	The importance of the gut microbiota after bariatric surgery. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012, 9, 590-598.	8.2	216
167	Effects of green tea consumption on human fecal microbiota with special reference to <i>Bifidobacterium</i> species. <i>Microbiology and Immunology</i> , 2012, 56, 729-739.	0.7	130
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171	Impact of the Gut Microbiota on the Development of Obesity: Current Concepts. <i>American Journal of Gastroenterology Supplements (Print)</i> , 2012, 1, 22-27.	0.7	112
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1180	Gut microbiome may contribute to insulin resistance and systemic inflammation in obese rodents: a meta-analysis. <i>Physiological Genomics</i> , 2018, 50, 244-254.	1.0	198
1181	Impact of a 3-Months Vegetarian Diet on the Gut Microbiota and Immune Repertoire. <i>Frontiers in Immunology</i> , 2018, 9, 908.	2.2	56
1182	Temporal and Spatial Impact of Human Cadaver Decomposition on Soil Bacterial and Arthropod Community Structure and Function. <i>Frontiers in Microbiology</i> , 2017, 8, 2616.	1.5	55
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1185	Genetically Obese Human Gut Microbiota Induces Liver Steatosis in Germ-Free Mice Fed on Normal Diet. <i>Frontiers in Microbiology</i> , 2018, 9, 1602.	1.5	48
1186	Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet. <i>Frontiers in Nutrition</i> , 2018, 5, 28.	1.6	125
1187	Pregestational overweight and obesity are associated with differences in gut microbiota composition and systemic inflammation in the third trimester. <i>PLoS ONE</i> , 2018, 13, e0200305.	1.1	64
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1189	Development of outbred CD1 mouse colonies with distinct standardized gut microbiota profiles for use in complex microbiota targeted studies. <i>Scientific Reports</i> , 2018, 8, 10107.	1.6	30
1190	Gut Microbiota and the Polycystic Ovary Syndrome: Influence of Sex, Sex Hormones, and Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2552-2562.	1.8	201
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1192	A Walnut-Enriched Diet Affects Gut Microbiome in Healthy Caucasian Subjects: A Randomized, Controlled Trial. <i>Nutrients</i> , 2018, 10, 244.	1.7	82

#	ARTICLE	IF	CITATIONS
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1194	High-Glucose or -Fructose Diet Cause Changes of the Gut Microbiota and Metabolic Disorders in Mice without Body Weight Change. <i>Nutrients</i> , 2018, 10, 761.	1.7	310
1195	Impact of nutrition and rotavirus infection on the infant gut microbiota in a humanized pig model. <i>BMC Gastroenterology</i> , 2018, 18, 93.	0.8	53
1196	A unified conceptual framework for prediction and control of microbiomes. <i>Current Opinion in Microbiology</i> , 2018, 44, 20-27.	2.3	42
1197	Systematic review assessing the effectiveness of dietary intervention on gut microbiota in adults with type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 1700-1711.	2.9	74
1198	From Network Analysis to Functional Metabolic Modeling of the Human Gut Microbiota. <i>MSystems</i> , 2018, 3, .	1.7	77
1199	Research on oral microbiota of monozygotic twins with discordant caries experience - in vitro and in vivo study. <i>Scientific Reports</i> , 2018, 8, 7267.	1.6	15
1200	Use of dietary indices to control for diet in human gut microbiota studies. <i>Microbiome</i> , 2018, 6, 77.	4.9	85
1201	Non-Ischemic Heart Failure With Reduced Ejection Fraction Is Associated With Altered Intestinal Microbiota. <i>Circulation Journal</i> , 2018, 82, 1640-1650.	0.7	41
1202	Healthy hosts rule within: ecological forces shaping the gut microbiota. <i>Mucosal Immunology</i> , 2018, 11, 1299-1305.	2.7	75
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1204	Dynamic changes in human-gut microbiome in relation to a placebo-controlled anthelmintic trial in Indonesia. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006620.	1.3	44
1205	Beneficial Effect of Intestinal Fermentation of Natural Polysaccharides. <i>Nutrients</i> , 2018, 10, 1055.	1.7	115
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1212	Intermittent Hypoxia and Hypercapnia, a Hallmark of Obstructive Sleep Apnea, Alters the Gut Microbiome and Metabolome. <i>MSystems</i> , 2018, 3, .	1.7	96
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1236	Baseline microbiota composition modulates antibiotic-mediated effects on the gut microbiota and host. <i>Microbiome</i> , 2019, 7, 111.	4.9	50
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1281	The gut microbiome and cardiovascular disease: current knowledge and clinical potential. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H923-H938.	1.5	82
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1315	The effects of antipsychotic medications on microbiome and weight gain in children and adolescents. <i>BMC Medicine</i> , 2019, 17, 112.	2.3	58
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1321	High fat diet alters gut microbiota but not spatial working memory in early middle-aged Sprague Dawley rats. <i>PLoS ONE</i> , 2019, 14, e0217553.	1.1	26
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1323	Review article: emerging role of the gut microbiome in the progression of nonalcoholic fatty liver disease and potential therapeutic implications. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 50, 144-158.	1.9	50
1324	The intestinal microbiota and cardiovascular disease. <i>Cardiovascular Research</i> , 2019, 115, 1471-1486.	1.8	33
1325	Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats. <i>Scientific Reports</i> , 2019, 9, 8500.	1.6	19
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1328	Metabolism at the centre of the host-microbe relationship. <i>Clinical and Experimental Immunology</i> , 2019, 197, 193-204.	1.1	34
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2244	Colorectal Cancer and Microbiota Modulation for Clinical Use. A Systematic Review. <i>Nutrition and Cancer</i> , 0, , 1-17.	0.9	1
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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