Linking Microbial Genes to Plasma and Stool Metabolite Interactions Underlying Ulcerative Colitis Disease Cour

Cell Host and Microbe

32, 209-226.e7

DOI: 10.1016/j.chom.2023.12.013

Citation Report

#	Article	IF	Citations
1	Gut Microbial Species and Endotypes Associate With Remission in Ulcerative Colitis Patients Treated With Anti-TNF or Anti-Integrin Therapy. Journal of Crohn's and Colitis, 2024, 18, 1819-1831.	8.8	16
2	Exploring the Role of Gut Microbes in Spondyloarthritis: Implications for Pathogenesis and Therapeutic Strategies. Best Practice and Research in Clinical Rheumatology, 2024, 38, 101961.	6.9	14
3	The Gut Microbiota and Diabetes: Research, Translation, and Clinical Applications—2023 Diabetes, Diabetes Care, and Diabetologia Expert Forum. Diabetes Care, 2024, 47, 1491-1508.	20.9	40
4	The Gut Microbiota and Diabetes: Research, Translation, and Clinical Applications – 2023 Diabetes, Diabetes Care, and Diabetologia Expert Forum. Diabetologia, 2024, 67, 1760-1782.	9.8	35
5	The Gut Microbiota and Diabetes: Research, Translation, and Clinical Applications—2023 Diabetes, Diabetes Care, and Diabetologia Expert Forum. Diabetes, 2024, 73, 1391-1410.	5.7	25
6	Emerging Tools and Best Practices for Studying Gut Microbial Community Metabolism. Nature Metabolism, 2024, 6, 1225-1236.	25.9	17
7	Akkermansia muciniphila and Parabacteroides distasonis as Prognostic Markers for Relapse in Ulcerative Colitis Patients. Frontiers in Cellular and Infection Microbiology, 2024, 14, 1367998.	5.6	15
8	Untargeted Faecal Metabolomics for the Discovery of Biomarkers and Treatment Targets for Inflammatory Bowel Diseases. Gut, 2024, 73, 1909-1920.	19.5	106
9	Emerging Biochemical, Microbial and Immunological Evidence in the Search for Why HLA-B∗27 Confers Risk for Spondyloarthritis. Cell Chemical Biology, 2025, 32, 12-24.	7.5	3
10	Structural Elucidation of a Capsular Polysaccharide From Bacteroides uniformis and Its Ameliorative Impact on DSS-Induced Colitis in Mice. International Journal of Biological Macromolecules, 2024, 279, 135119.	8.4	11
11	Metabolite-Based Inter-Kingdom Communication Controls Intestinal Tissue Recovery Following Chemotherapeutic Injury. Cell Host and Microbe, 2024, 32, 1469-1487.e9.	17.1	21
12	Identification of an RNA-Binding Perturbing Characteristic for Thiopurine Drugs and Their Derivatives to Disrupt CELF1–RNA Interaction. Nucleic Acids Research, 2024, 52, 10810-10822.	19.7	3
13	The Influence of AHR on Immune and Tissue Biology. EMBO Molecular Medicine, 2024, 16, 2290-2298.	8.4	39
14	The Telencephalon Is a Neuronal Substrate for Systemic Inflammatory Responses in Teleosts via Polyamine Metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, e2404781121.	9.0	3
15	Commensal Consortia Decolonize Enterobacteriaceae via Ecological Control. Nature, 2024, 633, 878-886.	54.7	124
16	Metagenomic, Metabolomic, and Lipidomic Shifts Associated With Fecal Microbiota Transplantation for Recurrent Clostridioides Difficile Infection. MSphere, 2024, 9, e0070624.	4.1	32
17	Kiwifruit Polysaccharides Alleviate Ulcerative Colitis via Regulating Gut Microbiota-Dependent Tryptophan Metabolism and Promoting Colon Fucosylation. Journal of Agricultural and Food Chemistry, 2024, 72, 23859-23874.	6.6	26
18	Multi-Omics Reveals the Alleviating Effect of Berberine on Ulcerative Colitis Through Modulating the Gut Microbiome and Bile Acid Metabolism in the Gut-Liver Axis. Frontiers in Pharmacology, 2024, 15, 1494210.	5.3	12

#	Article	IF	Citations
19	Curcumin Alleviated Dextran Sulfate Sodium-Induced Ulcerative Colitis via Inhibition of the Wnt/β-Catenin Signaling Pathway and Regulation of the Differentiation of Intestinal Stem Cells. Toxicology and Applied Pharmacology, 2025, 494, 117175.	3.7	9
20	Integrating Single-Cell RNA-Seq and Machine Learning to Dissect Tryptophan Metabolism in Ulcerative Colitis. Journal of Translational Medicine, 2024, 22, 1-14.	9.4	48
21	Bile Acids in Inflammatory Bowel Disease: From Pathophysiology to Treatment. Biomedicines, 2024, 12, 2910.	4.9	13
22	Uncovering De Novo Polyamine Biosynthesis in the Gut Microbiome and Its Alteration in Inflammatory Bowel Disease. Gut Microbes, 2025, 17, 2464225.	15.6	38
23	Camel Milk Protein Ameliorates Ulcerative Colitis by Modulating Gut Microbiota and Amino Acid Metabolism. Nutrients, 2025, 17, 780.	6.3	8
24	"Shield" Armed Programmable Probiotics Harboring α-Aminoadipate Aminotransferase Gene Regulate Tryptophan Metabolism and Gut Microbiota to Alleviate the Inflammatory Bowel Disease. Journal of Agricultural and Food Chemistry, 2025, 73, 7920-7932.	6.6	8
25	Exploring the Therapeutic Potential of Beetroot Juice in Patients With Peripheral Artery Disease: A Narrative Review. Nitric Oxide - Biology and Chemistry, 2025, 156, 57-66.	4.6	5
26	Angelicone Ameliorates Ulcerative Colitis in Mice via Modulating Gut Microbiota. Planta Medica, 2025, 91, 430-439.	2.2	1
27	Integrated Network Pharmacology and Metabolomics Analysis to Reveal the Potential Mechanism of Ershen Wan in Ameliorating Ulcerative Colitis. Journal of Ethnopharmacology, 2025, 346, 119690.	7.1	4
28	Deciphering the Causality of Gut Microbiota, Circulating Metabolites and Heart Failure: A Mediation Mendelian. Frontiers in Pharmacology, 2025, 16, 1531384.	5.3	2
29	3-Fucosyllactose Alleviates DSS-Induced Mouse Colitis Through Modulation of the PI3K-Akt Signaling Pathway: An Integrated Multi-Omics Analysis. Journal of Functional Foods, 2025, 127, 106789.	4.0	9
30	The Dietary Biomarkers Development Consortium: An Initiative for Discovery and Validation of Dietary Biomarkers for Precision Nutrition. Current Developments in Nutrition, 2025, 9, 107435.	3.5	7
31	Regulation of Pyroptosis by Natural Products in Ulcerative Colitis: Mechanisms and Therapeutic Potential. Frontiers in Pharmacology, 2025, 16, 1573684.	5.3	10
32	Bacteroides Sphingolipids Promote Anti-Inflammatory Responses Through the Mevalonate Pathway. Cell Host and Microbe, 2025, 33, 901-914.e6.	17.1	33
33	Comparison of Fecal Microbiota and Metabolites in Diarrheal Piglets Pre-And Post-Weaning. Frontiers in Veterinary Science, 2025, 12, 1613054.	3.1	7
34	Metabolic Biomarkers Mediate Allergic Rhinitis via Circulating Inflammatory Proteins: Evidence From a Mendelian Randomization Study. Brazilian Journal of Otorhinolaryngology, 2025, 91, 101658.	1.8	1
35	An Exciting Future for Microbial Molecular Biology and Physiology. MBio, 2025, 16, e0069425.	5.5	3
36	The Deficiency of Chymase Mast Cell Protease 4 Exacerbates Dextran Sulfate Sodium Salt-Induced Colitis in Mice and Is Associated With Altered Microbiota and Metabolome Profiles. Frontiers in Cellular and Infection Microbiology, 2025, 15, 1481927.	5.6	6

#	Article	IF	Citations
37	Effect of Immune Cells and Plasma Metabolites on Osteomyelitis: A Two-Sample Mendelian Randomization and Mediation Analysis. Archives of Medical Science, 2025, .	2.4	0
38	The Dysbiosis of Gut Microbiota and Dysregulation of Metabolites in IgA Nephropathy and Membranous Nephropathy. Frontiers in Medicine, 2025, 12, 1618947.	3.7	9
39	Gut Microbiota-Derived Xanthohumol Protects Against Heatstroke by Inhibiting Macrophage Pyroptosis in Mice. Journal of Advanced Research, 2026, 82, 967-980.	15.3	4
40	Combining Mucosal Microbiome and Host Multi-Omics Data Shows Prognostic Potential in Paediatric Ulcerative Colitis. Nature Communications, 2025, 16, 7157.	18.1	17
41	Akkermansia muciniphila-Derived N-Acetylspermidine Modulates the Localization of Intestinal α1,2-Fucosylated Proteins to Maintain Gut Homeostasis. Advanced Science, 2025, 12, e06576.	12.7	15
42	Metabolomics-Based Investigation Elucidates the Anti-Ulcerative Colitis Effect of Kaempferol. Biomedical Chromatography, 2025, 39, e70195.	1.8	2
43	Investigating Causal Links Between Metabolite Profiles and Ulcerative Colitis: A Bidirectional Mendelian Randomization Study. Journal of Medical Signals and Sensors, 2025, 15, 27.	2.1	0
44	Eimeria Ovinoidalis Infection Reshapes Gut Microbial Communities and Metabolic Profiles in Tan Sheep. Biology, 2025, 14, 1190.	4.6	2
45	First Insights Into Microbial Changes Within an Inflammatory Bowel Disease Family Cohort Study. Gut Microbes, 2025, 17, 2559119.	15.6	19
46	A Repository of the Salivary Metabolome and Its Key Drivers in 1436 European Children. EBioMedicine, 2025, 122, 106019.	11.8	6
47	Puerariae Lobatae Radix Aqueous Extract Ameliorates Asymptomatic Hyperuricemia in a Potassium Oxonate-Induced Rat Model by Dual Modulation of Uric Acid Production and Excretion. Frontiers in Nutrition, 2025, 12, 1685674.	5.6	2
48	Artificial Intelligence Empowers Gut Microbiota Research in Neurodegenerative Diseases Molecular Mechanisms and Precision Therapy. IScience, 2025, 28, 114044.	4.5	8
49	Isoallolithocholic Acid Ameliorates Intestinal Inflammation via Metabolically Reprogrammed Macrophages. Communications Biology, 2025, 8, 1718.	5.9	5
50	Protocatechuic Acid Attenuated Inflammation Caused by Prevotella copri and Its Metabolites. Virulence, 2026, 17, 2609387.	6.6	4
51	Supplementation With Endogenous Healthy Gut Metabolites Reverses the Disruptions of in Vitro and Ex Vivo Epithelial Functions Induced by Fecal Content From IBD Patients. Gut Microbes, 2025, 17, 2597568.	15.6	4
52	Combined Metabolomic and Metagenomic Analysis Reveals Inflammatory Bowel Disease Diversity in Pediatric and Adult Patients. World Journal of Gastroenterology, 2025, 31, 112653.	5.9	7
53	Microbial Collagenase Activity Is Linked to Oral–Gut Translocation in Advanced Chronic Liver Disease. Nature Microbiology, 2026, 11, 211-227.	18.2	13
54	Integrated Multi-Omics Profiling of Gut Microbiome and Metabolome in Ulcerative Colitis Insights From the Iranian Population. IScience, 2026, 29, 114721.	4.5	3

#	Article	IF	Citations
55	Microbiota-Derived IPA Protects Against Colitis by Regulating Intestinal HMGCS2-Mediated Ketogenesis to Facilitate Mucosal Healing. Nature Communications, 2026, 17, 2437.	18.1	12
56	Toward Integration of Molecular Measures and Artificial Intelligence-Based Assessments With Clinical End Points in Inflammatory Bowel Disease. Gastroenterology, 2026, 170, 686-703.	12.5	2
57	Polyamine Metabolism in Brain Health and Disease. , 2026, 3, 49-62.		0
58	Tanshinones From Salvia miltiorrhiza Alleviate Ulcerative Colitis via Reprogramming the Gut Microbiota-Metabolite Axis. Acta Biochimica Et Biophysica Sinica, 2026, 58, 1579-1596.	3.4	1
59	Back to the Future: Repurposing Metformin, a Metabolically Active Drug, to Treat Mild-to-Moderate Ulcerative Colitis. Metabolites, 2026, 16, 238.	4.8	0
60	Metabolomics-Based Predictive Biomarker Discovery for Thiopurine Response in Crohn Disease: Plasma Histidine as a Promising Biomarker. Drug Metabolism and Disposition, 2026, 54, 100297.	3.4	0
61	SpiR Is a Gut Microbial Enzyme That Drives Cholesterol Conversion. Nature Communications, 2026, 17, 3495.	18.1	2
62	Integrated Metabolomics and Gut Microbiota Analyses Reveal the Protective Effects of Matrine in Ulcerative Colitis. Frontiers in Chemistry, 2026, 14, 1826894.	5.3	0
63	Individual Variability Shapes Ex Vivo Responses to Resistant Starch in Inflammatory Bowel Disease Derived Microbiomes. Npj Biofilms and Microbiomes, 2026, 12, 142.	11.4	1
64	Sex-Specific Associations Between Gut Microbiota and Myopia in Adolescents: A Clinical Predictive Modeling Study. Frontiers in Cellular and Infection Microbiology, 2026, 16, 1778840.	5.6	0
65	Probiotics Accelerate Microbiota and Metabolic Pathway Recovery Following Colonoscopy Bowel Preparation in Ulcerative Colitis. Medical Science Monitor, 2026, 32, e953589.	2.4	0
66	Microbial Metabolites at the Nexus of Gut-Brain Communication and Neurodevelopmental Disorders. Frontiers in Nutrition, 2026, 13, 1836981.	5.6	0
67	Rapid Fecal Lipidome Profiling in Inflammatory Bowel Disease: A Novel Approach for Exploratory Disease Molecular Characterization and Therapeutic Monitoring. Journal of Pharmaceutical and Biomedical Analysis, 2027, 282, 117687.	3.5	0
68	Microbial Metabolic Memory in Inflammatory Bowel Disease: Microbiota-Derived Metabolites, Host–Microbe Reprogramming, and Relapse Susceptibility. Frontiers in Microbiology, 2026, 17, 1893807.	5.6	2
69	Xanthine Oxidoreductase in Digestive Diseases: A Context-Dependent Redox Switch Linking Inflammation, Metabolism and Carcinogenesis. Free Radical Biology and Medicine, 2026, 256, 134-143.	8.2	0
70	Multi-Omics-Driven Network Pharmacology and Experimental Validation Elucidate the Therapeutic Mechanism Bupi Yichang Pill in Ulcerative Colitis via the PI3K/Akt/IKK/NF-κB Signalingpathway. Journal of Ethnopharmacology, 2026, 373, 122266.	7.1	1
71	Synthetically Engineered Probiotic Suppresses Colorectal Cancer via Inhibition of Wnt/β-Catenin Signaling. Cell Reports Medicine, 2026, 7, 102913.	11.8	0
72	A Pilot Study of Daily Blueberry Intake Modulates the Gut Microbiota Enzyme Commissions in Older, Sedentary Adults With Mild Depressive Symptoms. Journal of Nutrition, Health and Aging, 2026, 30, 100958.	4.6	0

#	Article	IF	Citations
73	Blood Bile Acids for Inflammatory Bowel Disease Diagnosis and Disease Activity Assessment: A Metabolomics Meta-Analysis. Journal of Proteome Research, 2026, 25, 4847-4858.	4.0	0
74	Tremella fuciformis Stem Alleviates Colitis by Modulating Gut Microbiota and PI3K/AKT/NF-κB Pathway. Future Foods, 2026, 14, 101193.	6.7	0
75	Targeting Gut Microbial Metabolism With Chinese Herbal Medicine in Ulcerative Colitis: A Narrative Review. Journal of Traditional Chinese Medical Sciences, 2026, 13, 430-447.	0.9	0
76	Peripheral Microbial Metabolites as Indicators of Gut Microbiome Disruption: Systematic Review and Meta-Analysis. MBio, 2026, .	5.5	0
77	Microbiota–Host Crosstalk in Ulcerative Colitis: Mechanistic Evidence and Translational Prospects for Traditional Chinese Medicine. Frontiers in Pharmacology, 2026, 17, 1956353.	5.3	0
78	Microbiota-Associated Metabolites as Biomarkers and Therapeutic Opportunities in Inflammatory Bowel Disease. Nutrients, 2026, 18, 3372.	6.3	0
79	Evaluating Traditional Chinese Medicine Modulation of the Gut Microbiota–Bile Acid Axis in Metabolic and Inflammatory Diseases: Mechanistic Evidence and Translational Priorities. Frontiers in Microbiology, 2026, 17, 1977691.	5.6	0