

# Metagenomic engineering of the mammalian gut micro

Nature Methods

16, 167-170

DOI: [10.1038/s41592-018-0301-y](https://doi.org/10.1038/s41592-018-0301-y)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Defining and combating antibiotic resistance from One Health and Global Health perspectives. <i>Nature Microbiology</i> , 2019, 4, 1432-1442.	5.9	614
2	Precision Medicine Goes Microscopic: Engineering the Microbiome to Improve Drug Outcomes. <i>Cell Host and Microbe</i> , 2019, 26, 22-34.	5.1	80
3	Recent advances in developing and applying biosensors for synthetic biology. <i>Nano Futures</i> , 2019, 3, 042002.	1.0	9
4	Recoding the metagenome: microbiome engineering in situ. <i>Current Opinion in Microbiology</i> , 2019, 50, 28-34.	2.3	12
5	Trans-Kingdom Conjugation within Solid Media from <i>Escherichia coli</i> to <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5212.	1.8	9
6	A library of human gut bacterial isolates paired with longitudinal multiomics data enables mechanistic microbiome research. <i>Nature Medicine</i> , 2019, 25, 1442-1452.	15.2	255
7	Efficient inter-species conjugative transfer of a CRISPR nuclease for targeted bacterial killing. <i>Nature Communications</i> , 2019, 10, 4544.	5.8	78
8	Common principles and best practices for engineering microbiomes. <i>Nature Reviews Microbiology</i> , 2019, 17, 725-741.	13.6	324
9	Engineers embrace microbiome messiness. <i>Nature Methods</i> , 2019, 16, 581-584.	9.0	6
10	Combinatory biotechnological intervention for gut microbiota. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3615-3625.	1.7	14
11	An Engineered Cas-Transposon System for Programmable and Site-Directed DNA Transpositions. <i>CRISPR Journal</i> , 2019, 2, 376-394.	1.4	37
12	Necrotizing enterocolitis is preceded by increased gut bacterial replication, <i>Klebsiella</i> , and fimbriae-encoding bacteria. <i>Science Advances</i> , 2019, 5, eaax5727.	4.7	120
13	Outcome of the public consultation on the draft Scientific Opinion on the evaluation of existing guidelines for their adequacy for the microbial characterisation and environmental risk assessment of microorganisms obtained through synthetic biology. <i>EFSA Supporting Publications</i> , 2020, 17, 1934E.	0.3	0
14	Artificial intelligence and synthetic biology approaches for human gut microbiome. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, , 1-19.	5.4	8
15	Personalized Nutrition Through The Gut Microbiota: Current Insights And Future Perspectives. <i>Nutrition Reviews</i> , 2020, 78, 66-74.	2.6	20
16	Plasmid Transfer by Conjugation in Gram-Negative Bacteria: From the Cellular to the Community Level. <i>Genes</i> , 2020, 11, 1239.	1.0	118
17	Highly efficient gene transfer in the mouse gut microbiota is enabled by the Incl2 conjugative plasmid TP114. <i>Communications Biology</i> , 2020, 3, 523.	2.0	41
18	Meeting report of the third annual Tri-Service Microbiome Consortium symposium. <i>Environmental Microbiomes</i> , 2020, 15, 12.	2.2	4

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19	Systemic Immunometabolism: Challenges and Opportunities. <i>Immunity</i> , 2020, 53, 496-509.	6.6	73
20	Gut Microbiome in Microbial Pathogenicity. , 2020, , 1-36.		0
21	The persistence potential of transferable plasmids. <i>Nature Communications</i> , 2020, 11, 5589.	5.8	16
22	Targeted Depletion of Bacteria from Mixed Populations by Programmable Adhesion with Antagonistic Competitor Cells. <i>Cell Host and Microbe</i> , 2020, 28, 313-321.e6.	5.1	62
23	Engineering microbial diagnostics and therapeutics with smart control. <i>Current Opinion in Biotechnology</i> , 2020, 66, 11-17.	3.3	21
24	Editing the microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3345-3348.	3.3	9
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26	Antibiotic resistance: turning evolutionary principles into clinical reality. <i>FEMS Microbiology Reviews</i> , 2020, 44, 171-188.	3.9	154
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29	Gut microbes in cardiovascular diseases and their potential therapeutic applications. <i>Protein and Cell</i> , 2021, 12, 346-359.	4.8	62
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31	Engineering rhizobacteria for sustainable agriculture. <i>ISME Journal</i> , 2021, 15, 949-964.	4.4	86
32	CRISPR RNA-guided integrases for high-efficiency, multiplexed bacterial genome engineering. <i>Nature Biotechnology</i> , 2021, 39, 480-489.	9.4	179
33	Deciphering Human Microbiotaâ€™Host Chemical Interactions. <i>ACS Central Science</i> , 2021, 7, 20-29.	5.3	19
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56	Retooling Microbiome Engineering for a Sustainable Future. <i>MSystems</i> , 2021, 6, e0092521.	1.7	8
57	Quantitative analysis of horizontal gene transfer in complex systems. <i>Current Opinion in Microbiology</i> , 2021, 62, 103-109.	2.3	13
58	Genetic innovations in animal-microbe symbioses. <i>Nature Reviews Genetics</i> , 2022, 23, 23-39.	7.7	60
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60	Discovery and delivery strategies for engineered live biotherapeutic products. <i>Trends in Biotechnology</i> , 2022, 40, 354-369.	4.9	23
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67	A peek in the micro-sized world: a review of design principles, engineering tools, and applications of engineered microbial community. <i>Biochemical Society Transactions</i> , 2020, 48, 399-409.	1.6	5
74	Programmable CRISPR-Cas transcriptional activation in bacteria. <i>Molecular Systems Biology</i> , 2020, 16, e9427.	3.2	56
75	Metagenomic Exploration of Plastic Degrading Microbes for Biotechnological Application. <i>Current Genomics</i> , 2020, 21, 253-270.	0.7	58
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