

Publication List David Berry

September 22, 2025

Peer-reviewed scientific publications

* Indicates equal contribution

Corresponding author

1. Bauchinger F, **Berry D**[#]. 2025. Metatranscriptomic-driven insights into mucosal glycan degradation by the human gut microbiota. *FEMS Microbiol Ecol*. Accepted.
2. Anwar S,..., **Berry D**,..., Sergaki C. 2025. DNA Reference Reagents Isolate Biases in Microbiome Profiling: A Global Multi-Lab Study. *mSystems*. Accepted.
3. Rasoulimehrabani H, Khadem S, Hodžić A, Philipp M, Gallo R, Nikolov G, Séneca J, Ramesmayer J, Sivulič P, **Berry D**[#]. 2025. Evaluating the prebiotic activity of arabinogalactan on the human gut microbiota using 16S rRNA gene sequencing and Raman-activated cell sorting. *Microbiome Res Rep*. 4:30. DOI: 10.20517/mrr.2025.29.
4. Rasoulimehrabani H, Riva A, Inan D, Hodžić A, Hausmann B, Nikolov G, Khadem S, Hieger N, Wiesenbauer J, Kaiser C, Filz V, Böttcher T, **Berry D**[#]. 2025. Lactulose selectively stimulates members of the gut microbiota, as determined by multi-modal activity-based sorting. *Gut Microbes*. 17(1). DOI: 10.1080/19490976.2025.2525482.
5. Fejes R, da Silva JSC, Pjevac P, Lutnik M, Weisshaar S, Pilat N, Steiner R, Wagner K-H, Woodman RC, Bondonno CP, Hodgson JM, **Berry D**, Wolzt M, Neubauer O. 2025. Increased Nitrate Intake from Beetroot Juice over 4 weeks changes the Composition of the Oral, but not the Intestinal Microbiome. *Mol Nutr Food Res*. Accepted.
6. Krasenbrink J, Hanson BT, Weiss AS, Borusak S, Sebastian Tanabe T, Lang M, Aichinger G, Hausmann B, **Berry D**, Decker T, Marko D, Mussmann M, Schleheck D, Stecher B, Loy A. 2025. Sulfoquinovose is not metabolized by the host and degraded differently by the mouse and human gut microbiota. *Microbiome*. Accepted.
7. Gawish R, Varada R, Deckert F, Hladik A, Steinbichl L, Cimatti L, Milanovic K, Torgasheva N, Tanzer A, De Paepe K, Van de Wiele T, Hausmann B, Lang M, Gasche C, **Berry D**, Knapp S, Jantsch M, Pereira FC, Vesely C. 2025. Edited FLNA in immune cells protects from colitis and is lost during acute intestinal inflammation in mice and men. *J Exp Med*. Accepted.
8. Hodžić A[#], Kunert M, **Berry D**[#]. 2025. Protocol for the visualization of bacteria in the tick gut using whole-mount fluorescence in situ hybridization. *STAR Protocols*. Accepted.
9. Hitch TCA,..., **Berry D**,..., Clavel T. 2025. HiBC: a publicly available collection of bacterial strains isolated from the human gut. *Nat Commun*. Accepted.
10. Herz CT, Kulterer OC, Prager M, Marculescu R, Prager G, Kautzky-Willer A, Hacker M, Trajanosk S, Köfeler HC, Gallé B, Haug AR, **Berry D**, Kiefer FW. 2025. Bariatric surgery promotes recruitment of active brown adipose tissue which is linked to distinct alterations in the gut microbiota. *Eur J Endocrinol*. Accepted.
11. Nussbaumer-Pröll A, Hausmann B, Weber M, **Berry D**, Pjevac P, Zeitlinger M. 2025. Impact of Cranberry and Ascorbic Acid Supplementation on the Urinary Microbiome of Healthy Women: A Randomized Controlled Trial. *Antibiotics*. Accepted.
12. Hodžić A, Duscher GG, Alić A, Beck R, **Berry D**. 2025. The peritrophic matrix: An important determinant of vector competence in hematophagous arthropods. *Trends Parasitol*. Accepted.

13. Sarcletti F, Eigenschink M, Wukowits N, Oehler B, Mayer T, Pell S, Tandecki A, Seki D, Spittler A, **Berry D**, Berger A, Wisgrill L. 2025. Monocyte-platelet aggregates are the major source of BDNF after bacterial stimulation of human peripheral blood immune cells. *Eur J Immunol*. Accepted. DOI: 10.1002/eji.202451538
14. Flanagan K, Gassner K, Lang M, Ozelyte J, Hausmann B, Crepaz D, Pjevac P, Gasche C, **Berry D**, Vesely C, Pereira FC. 2025. Human-derived microRNA 21 regulates indole and L-tryptophan biosynthesis transcripts in a prominent gut symbiont. *mBio*. e03928-24. DOI: 10.1128/mbio.03928-24
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22. Oesterle I, Ayeni KI, Ezekiel CN, **Berry D**, Rompel A, Warth B. 2024. Insights into the early-life chemical exposome of Nigerian infants and potential correlations with the developing gut microbiome. *Environ Int*. 188:108766. DOI: 10.1016/j.envint.2024.108766
23. Soo Lee K,..., **Berry D**,..., Stocker R. 2024. MicrobioRaman: an open-access web repository for microbiological Raman spectroscopy data. *Nat Microbiol*. DOI: 10.1038/s41564-024-01656-3.
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44. Jamnik T, Flasch M, Braun D, Seki D, **Berry D**, Berger A, Wisgrill L, Warth B. 2022. Next-generation biomonitoring of the early-life chemical exposome in neonatal and infant development. *Nat Commun*. 13:2653. DOI: 10.1038/s41467-022-30204-y
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