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[Wei W](#), CC Wong, Z Jia, W Liu, C Liu, F Ji, Y Pan, F Wang, G Wang, L Zhao, ESH Chu, X Zhang, JJY Sung, J Yu. 2023.

Parabacteroides distasonis uses dietary inulin to suppress NASH via its metabolite pentadecanoic acid.

NATURE Microbiology 8: 1534–1548.

[Li H](#), X Kang, M Yang, BD Kassene, X Zhou, S Liang, X Zhang, J-L Wen, B Yu, N Liu, Y Zhao, J Mo, CR Currie, J Ralph, DJ Yelle. 2023.

Molecular insights into the evolution of woody plant decay in the gut of termites.

Science Advances 9 eadg1258.

[Palmer M](#), JK Covington, E-M Zhou, SC Thomas, N Habib, CO Seymour, D Lai, J Johnston, A Hashimi, J-Y Jiao, AR Muok, L Liu, W-D Xian, X-Y Zhi, M-M Li, LP Silva, BP Bowen, K Louie, A Briegel, J Pett-Ridge, PK Weber, EI Tocheva, T Woyke, TR Northen, X Mayali, W-J Li, BP Hedlund. 2023.

Thermophilic *Dehalococcoidia* with unusual traits shed light on an unexpected past.

The ISME Journal 17: 952–966.

[Zeng X](#), X Xing, M Gupta, FC Keber, JG Lopez, Y-CJ Lee, A Roichman, L Wang, MD Neinast, MS Donia, M Wühr, C Jang, JD Rabinowitz. 2022.

Gut bacterial nutrient preferences quantified *in vivo*.

Cell 185: 3441–3456.

[Chellappa K](#), MR McReynolds, W Lu, X Zeng, M Makarov, F Hayat, S Mukherjee, YR Bhat, SR Lingala, RT Shima, HC Descamps, T Cox, L Ji, C Jankowski, Q Chu, SM Davidson, CA Thaiss, ME Migaud, JD Rabinowitz, JA Baur. 2022.

NAD precursors cycle between host tissues and the gut microbiome.

Cell Metabolism 34: 1947-1959.

[Nelson TF](#), R Baumgartner, M Jaggi, SM Bernasconi, G Battagliarin, C Sinkel, A Künkel, H-P E Kohler, K McNeill, M Sander. 2022.

Biodegradation of poly(butylene succinate) in soil laboratory incubations assessed by stable carbon isotope labelling.

NATURE Communications 13: 5691.

[Kirui A](#), W Zhao, F Deligey, H Yang, X Kang, F Mentink-Vigier, T Wang. 2022.
Carbohydrate-aromatic interface and molecular architecture of lignocellulose.
NATURE Communications 13: 538.

[Neubauer D](#), O Kolmakova, J Woodhouse, R Taube, K Mangelsdorf, M Gladyshev, K Premke, H-P Grossart. 2021.
Zooplankton carcasses stimulate microbial turnover of allochthonous particulate organic matter..
NATURE – The ISME Journal 15: 1735-1750.

[Terrett OM](#), JJ Lyczakowski, L Yu, D Luga, WT Franks, SP Brown, R Dupree, P Dupree. 2019.
Molecular architecture of softwood revealed by solid-state NMR.
NATURE – Communications 10: 4978.

[Fernández-Calleja JMS](#), LMS Bouwman, HJM Swarts, A Oosting, J Keijer, EM van Schothorst. 2019.
Extended indirect calorimetry with isotopic CO₂ sensors for prolonged and continuous quantification of exogenous vs. total substrate oxidation in mice.
NATURE – Scientific Reports 9: 11507.

[Tsugawa H](#), R Nakabayashi, T Mori, Y Yamada, M Takahashi, A Rai, R Sugiyama, H Yamamoto, T Nakaya, M Yamazaki, R Kooke, JA Bac-Molenaar, N Oztolan-Erol, JJB Keurentjes, M Arita, K Saito. 2019.
A cheminformatics approach to characterize metabolomes in stable-isotope-labeled organisms.
NATURE Methods 16: 295-298.

[Kang X](#), A Kirui, MC Dickwella Widanage, F Mentink-Vigier, DJ Cosgrove, T Wang. 2019.
Lignin-polysaccharide interactions in plant secondary cell walls revealed by solid-state NMR.
NATURE Communications 10: 347.

[Kang X](#), A Kirui, A Muszyński, MC Dickwella Widanage, A Chen, P Azadi, P Wang, F Mentink-Vigier, T Wang. 2018.
Molecular architecture of fungal cell walls revealed by solid-state NMR.
NATURE Communications 9: 2747.

[López-Mondéjar R](#), V Brabcová, M Štursová, A Davidová, J Jansa, T Cajthaml, P Baldrian. 2018.
Decomposer food web in a deciduous forest shows high share of generalist microorganisms and importance of microbial biomass recycling.
NATURE – The ISME Journal 12: 1768-1778.

[Segura](#), JH, MB Nilsson, M Haei, T Sparrman, JP Mikkola, J Gräsvik, J Schleucher, MG Öquist. 2017. Microbial mineralization of cellulose in frozen soils. *NATURE communications* 8: 1154.

[Wilhelm](#) RC, E Cardenas, H Leung, K Maas, M Hartmann, A Hahn, S Hallam, WW Mohn. 2017. Data Descriptor: A metagenomics survey of forest soil microbial communities more than a decade after timber harvesting. *NATURE Scientific Data* 4: 170092

[Cheng](#) L, N Zhang, M Yuan, J Xiao, Y Qin, Y Deng, Q Tu, K Xue, JD Van Nostrand, L Wu, Z He, X Zhou, MB Leigh, KT Konstantinidis, EAG Schuur, Y Luo, JM Tiedje, J Zhou. 2017. Warming enhances old organic carbon decomposition through altering functional microbial communities. *NATURE – The ISME Journal* 11: 1825-1835.

[Wakerley](#) DW, MF Kuehnel, KL Orchard, KH Ly, TE Rosser, E Reisner. 2017. Solar-driven reforming of lignocellulose to H₂ with a CdS/CdO_x photocatalyst. *NATURE Energy* 2: 17021.

[Wild](#) B, N Gentsch, P Čapek, K Diáková, RJ Eloy Alves, J Bárta, A Gittel, G Hugelius, A Knoltsch, P Kuhry, N Lashchinskiy, R Mikutta, J Palmtag, C Schleper, J Schnecker, O Shibistova, M Takriti, VL Torsvik, T Urich, M Watzka, H Šantrůčková, G Guggenberger, A Richter. 2016. Plant-derived compounds stimulate the decomposition of organic matter in arctic permafrost soils. *NATURE – Scientific Reports* 6: 25607.

[Leung](#) HTC, KR Maas, RC Wilhelm, WW Mohn. 2016. Long-term effects of timber harvesting on hemicellulolytic microbial populations in coniferous forest soils. *NATURE – The ISME Journal* 10: 363-375.

[Frost](#) G, ML Sleeth, M Sahuri-Arisoylu, B Lizarbe, S Cerdan, L Brody, J Anastasovska, S Ghourab, M Hankir, S Zhang, D Carling, JR Swann, G Gibson, A Viardot, D Morrison, EL Thomas, JD Bell. 2014. The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. *NATURE Communications* 5: 3611.

Bengtsson MM, K Wagner, NR Burns, ER Herberg, W Wanek, LA Kaplan, TJ Battin. 2014.
No evidence of aquatic priming effects in hyporheic zone microcosms.
NATURE – Scientific Reports 4: 5187.

Kiers TE, M Duhamel, Y Beesetty, JA Mensah, O Franken, E Verbruggen, CR Fellbaum, GA Kowalchuk, MM Hart, A Bago, TM Palmer, SA West, P Vandenkoornhuyse, J Jansa, H Bücking. 2011.
Reciprocal rewards stabilize cooperation in the mycorrhizal symbiosis.
SCIENCE 333: 880-882.

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