

Publications

Richter I, Hasan M, Kramer JW, Wein P, Krabbe J, Woitas KP, Stinear TP, Pidot SJ, Kloss F, Hertweck C, Lackner G (2024) Deazaflavin metabolite produced by endosymbiotic bacteria controls fungal host reproduction. *ISME J* 18(1), wrae074.

Hasan M, Schulze S, Berndt L, Palm G J, Braga D, Richter I, Last D, Lammers M, Lackner G[#] (2022) Diversification by CofC and control by CofD govern biosynthesis and evolution of coenzyme F420 and its derivative 3PG-F420. *mBio* 13(1), e03501-21.

Last D, Hasan M, Rothenburger L, Braga D, Lackner G[#] (2022) High-yield production of coenzyme F420 in *Escherichia coli* by fluorescence-based screening of multi-dimensional gene expression space. *Metab Eng* 73, 158-167.

Braga D, Hasan M, Kröber T, Last D, Lackner G (2020) Biosynthesis of the redox coenzyme F420 in *Thermomicrobia* involves reduction by standalone nitroreductase superfamily enzymes. *Appl Environ Microbiol* 86(12), e00457-20.

Braga D, Last D, Hasan M, Guo H, Lechnitz D, Uzum Z, Richter I, Schalk F, Beemelmans C, Hertweck C, Lackner G (2019) Metabolic pathway rerouting in *Paraburkholderia rhizoxinica* evolved long-overlooked derivatives of coenzyme F420. *ACS Chem Biol* 14(9), 2088-2094.

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