

Publications

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.

Dörr M, Fibinger MP, Last D, Schmidt S, Santos-Aberturas J, Böttcher D, Hummel A, Vickers C, Voss M, Bornscheuer UT (2016) Fully automatized high-throughput enzyme library screening using a robotic platform. *Biotechnol Bioeng* 113(7), 1421-1432.

Last D, Krüger GH, Dörr M, Bornscheuer UT (2016) Fast, Continuous, and High-Throughput (Bio)Chemical Activity Assay for N-Acyl-L-Homoserine Lactone Quorum-Quenching Enzymes. *Appl Environ Microbiol* 82(14), 4145-4154.

Last D, Müller J, Dawood AWH, Moldenhauer EJ, Pavlidis IV, Bornscheuer UT (2016) Highly efficient and easy protease-mediated protein purification. *Appl Microbiol Biotechnol* 100(4), 1945-1953.

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