

Publications

Schlembach I, Bardl B, Regestein L, Rosenbaum MA (2024) Nonengineered fungus provides a shortcut from cellulose to bulk *Erythro*-isocitric acid. *ACS Sustainable Chem Eng* 12(9), 3408-3418.

Boto ST, Bardl B, Harnisch F, Rosenbaum MA (2023) Microbial electrosynthesis with *Clostridium ljungdahlii* benefits from hydrogen electron mediation and permits a greater variety of products. *Green Chem* 25(11), 4375-4386.

Stein J, Schlosser N, Bardl B, Peschel G, Meyer F, Kloss F, Rosenbaum MA, Regestein L (2022) Scalable downstream method for the cyclic lipopeptide jagaricin. *Eng Life Sci* 22(12), 811-817.

Weiser S, Tiso T, Willing K, Bardl B, Eichhorn L, Blank LM, Regestein L (2022) Foam-free production of the rhamnolipid precursor 3-(3-hydroxyalkanoyloxy) alkanolic acid (HAA) by *Pseudomonas putida DChE*,

Schlosser N, Espino-Martínez J, Kloss F, Meyer F, Bardl B, Rosenbaum MA, Regestein L (2021) Host nutrition-based approach for biotechnological production of the antifungal cyclic lipopeptide jagaricin. *J Biotechnol* 336, 1-9.

Agostino V, Lenic A, Bardl B, Rizzotto V, Phan A, Blank L, Rosenbaum M (2020) Electrophysiology of the facultative autotrophic bacterium *Desulfosporosinus orientis*. *Front Bioeng Biotechnol* 8, 457.

Edenhardt S, Denneler M, Spohn M, Dostkocil E, Kavsek M, Amon T, Kosec G, Smole J, Bardl B, Biermann M, Roth M, Wohlleben W, Stegmann E (2020) Metabolic engineering of *Amycolatopsis japonicum* for optimized production of [S,S]-EDDS, a biodegradable chelator. *Metab Eng* 60, 148-156.

Arp J, Götze S, Mukherji R, Mattern DJ, Garcia-Altare M, Klapper M, Brock DA, Brakhage AA, Strassmann JE, Queller DC, Bardl B, Willing K, Peschel G, Stallforth P (2018) Synergistic activity of co-secreted natural products from amoebae-associated bacteria. *Proc Natl Acad Sci USA* 115(15), 3758-3763.

Otzen C, Bardl B, Jacobsen ID, Nett M, Brock M (2014) *Candida albicans* utilizes a modified β -oxidation pathway for the degradation of toxic propionyl-CoA. *J Biol Chem* 289(12), 8151-8169.

Biermann M, Bardl B, Vollstädt S, Linnemann J, Knüpfer U, Seidel G, Horn U (2013) Simultaneous analysis of the non-canonical amino acids norleucine and norvaline in biopharmaceutical-related fermentation processes by a new ultra-high performance liquid chromatography approach. *Amino Acids* 44(4), 1225-1231.

Biermann M, Linnemann J, Knüpfer U, Vollstädt S, Bardl B, Seidel G, Horn U (2013) Trace element associated reduction of norleucine and norvaline accumulation during oxygen limitation in a recombinant *Escherichia coli* fermentation. *Microb Cell Fact* 12, 116.

