

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.

Finger M, Palacio-Barrera AM, Richter P, Schlembach I, Büchs J, Rosenbaum MA (2022) Tunable population dynamics in a synthetic filamentous coculture. *MicrobiologyOpen* 11(5), e1324.

Finger M, Sentek F, Hartmann L, Palacio-Barrera AM, Schlembach I, Rosenbaum MA, Büchs J (2022) Insights into *Streptomyces coelicolor* A3(2) growth and pigment formation with high-throughput online monitoring. *Eng Life Sci* 23(1), e2100151.

Palacio-Barrera AM, Schlembach I, Finger M, Büchs J, Rosenbaum MA (2022) Reliable online measurement of population dynamics for filamentous co-cultures. *Microb Biotechnol* 15(11), 2773-2785.

Schlembach I, Grünberger A, Rosenbaum M, Regestein L (2021) Measurement techniques to resolve and control population dynamics of mixed-culture processes. *Trends Biotechnol* 39(10), 1093-1109. (Review)

Peña-Ortiz L, Schlembach I, Lackner G, Regestein L (2020) Impact of oxygen supply and scale up on *Mycobacterium smegmatis* cultivation and mycofactocin formation. *Front Bioeng Biotechnol* 8(1399), 593781.

Schlembach I, Tehrani H, Blank LM, Büchs J, Wierckx N, Regestein L, Rosenbaum MA (2020) Consolidated bioprocessing of cellulose to itaconic acid by a co-culture of *Trichoderma Reesei* and *Ustilago Maydis*. *Biotechnol Biofuels* 13(1), 207.

Schlembach I, Uebachs A, Caspers T, Fragoulis A, Slusarenko A, Gruhlke M (2020) Effect of prooxidative natural products: Comparison of the OSI1 (YKL071w) promoter luciferase construct from yeast with an Nrf2/Keap reporter system. *Appl Sci* 10(10), 3520.

*equal contribution #corresponding author