Better together or single by choice: Challenges and opportunities in engineering microbial consortia for industrial biomanufacturing applications

Junicke, Helena; Falco, Francesco Cristino; Flores-Alsina, Xavier; Gernaey, Krist V.

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Better together or single by choice: Challenges and opportunities in engineering microbial consortia for industrial biomanufacturing applications

Authors:
Helena Junicke (speaker), Francesco Cristino Falco (speaker), Xavier Flores-Alsina, Krist V. Gernaey

Abstract:
In this tandem presentation, the authors highlight new opportunities and current challenges of pure and mixed microbial culture fermentations. Results and practical examples are given as part of on-going research in butanol production and keratin degradation. Specific advantages of each process are contrasted with typical bottlenecks. The authors provide a decision framework for using either technology based on some key parameters of the target application.