

Publications

Graf M*, Sarkar A*, Svensson CM, Munser AS, Schröder S, Hengoju S, Rosenbaum MA#, Figge MT# (2025) Rapid detection of microbial antibiotic susceptibility via deep learning supported analysis of angle-resolved scattered-light images of picoliter droplet cultivations. *Sens Actuators B Chem* 424, 136866.

Man DKW, Hermans SM, Taubert M, Garcia SL, Hengoju S, Küsel K, Rosenbaum MA (2024) Enrichment of different taxa of the enigmatic candidate phyla radiation bacteria using a novel picolitre droplet technique. *ISME Commun* 4(1), ycae080.

Samimi A, Hengoju S, Rosenbaum MA (2024) Combinatorial sample preparation platform for droplet-based applications in microbiology. *Sens Actuators B Chem* 417,

Pourmasoumi F*, Hengoju S*, Beck K, Stephan P, Klopffleisch L, Hoernke M, Rosenbaum MA, Kries H (2023) Analysing megasynthetase mutants at high throughput using droplet microfluidics. *Chembiochem* 24(24), e202300680.

Weber T, Hengoju S, Samimi A, Roth M, Tovar M, Rosenbaum MA (2022) Recovery and isolation of individual microfluidic picoliter droplets by triggered deposition. *Sens Actuators B Chem* 369, 132289.

Hengoju S, Shvydkiv O, Tovar M, Roth M, Rosenbaum MA (2021) Advantages of optical fibers for facile and enhanced detection in droplet microfluidics. *Biosens Bioelectron* 200, 113910. (Review)

Kästner B, Hengoju S, Svensson CM, Figge MT, Rosenbaum MA (2021) Mit Tropfenmikrofluidik zu Hochgeschwindigkeits-Biotechnologie. *BIOspektrum* 27(3), 260-262. (Review)

Hengoju S, Wohlfeil S, Munser AS, Shvydkiv O, Boehme S, Beckert E, Tovar M, Roth M, Rosenbaum MA (2020) Optofluidic detection setup for multi-parametric analysis of microbiological samples in droplets. *Biomicrofluidics* 14(2), 024109.

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Tovar M, Weber T, Hengoju S, Lovera A, Munser AS, Shvydkiv O, Roth M (2018) 3D-glass molds for facile production of complex droplet microfluidic chips. *Biomicrofluidics* 12(2), 024115.

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