

Publications List: Select Publications Using the SH800 Cell Sorter for Microbiology Applications

Aljohmani A, Opitz B, Bischoff M, Yildiz D. Pseudomonas aeruginosa triggered exosomal release of ADAM10 mediates proteolytic cleavage in trans. *Int J Mol Sci.* 2022;23:1259. [PubMed](#)

Radakovics K, Battin C, Leitner J, et al. A highly sensitive cell-based TLR reporter platform for the specific detection of bacterial TLR ligands. *Front Immunol.* 2021;12:817604. [PubMed](#)

Otto M, Skrekas C, Gossing M, Gustafsson J, Siewers V, David, F. Expansion of the yeast modular cloning toolkit for CRISPR-based applications, genomic integrations and combinatorial libraries. *ACS Synth Biol.* 2021;10:3461-3474. [ACS](#)

Zoued A, Zhang H, Zhang T, et al. Proteomic analysis of the host-pathogen interface in experimental cholera. *Nat Chem Biol.* 2021;17:1199-1208. [PubMed](#)

Wellner A, McMahon C, Gilman MSA, et al. Rapid generation of potent antibodies by autonomous hypermutation in yeast. *Nat Chem Biol.* 2021;17:1057-1064. [Nature](#)

Marotz C, Morton JT, Navarro P, et al. Quantifying live microbial load in human saliva samples over time reveals stable composition and dynamic load. *mSystems.* 2021;6:e01182-20. [PubMed](#)

Mottet M, Bosmani C, Hanna N, Nitschke J, Lefrançois LH, Soldati T. Novel single-cell and high-throughput microscopy techniques to monitor dictyostelium discoideum-mycobacterium marinum infection dynamics. *Methods Mol Biol.* 2021;2314:183-203. [PubMed](#)

Brower KK, Khariton M, Suzuki PH, et al. Double emulsion picoreactors for high-throughput single-cell encapsulation and phenotyping via FACS. *Anal Chem.* 2020;92:13262-13270. [ACS](#)

Obana N, Nakamura K, Nomura N. Temperature-regulated heterogeneous extracellular matrix gene expression defines biofilm morphology in Clostridium perfringens. *NPJ Biofilms and Microbiomes.* 2020;6:29. [PubMed](#)

Kadoya R, Tanaka N, Fujita N, Shiwa Y, Taguchi S. Changed bacterial community in the river water samples upon introduction of biodegradable poly (3-hydroxybutyrate). *Polymer Degradation and Stability.* 2020;176:109144. [DOI](#)

Jindal S, Yang L, Day PJ, Kell DB. Involvement of multiple influx and efflux transporters in the accumulation of cationic fluorescent dyes by Escherichia coli. *BMC Microbiol.* 2019;19:195. [PubMed](#)

Brower KK, Carswell-Crumpton C, Klemm S, et al. Double emulsion flow cytometry with high-throughput single droplet isolation and nucleic acid recovery. *Lab Chip.* 2020; 20:2062-2074. [RCS](#)

Warren TD, Patel K, Eshleman JR, Ostermeier M. Protein-programmed accumulation of yeast cytosine deaminase in cancer cells in response to mock-hypoxia. *ACS Synth Biol.* 2019;8:948-954. [PubMed](#)

Lomakin YA, Kaminskaya AN, Stepanov AV, Shmidt AA, Gabibov AG, Belogurov AA Jr. Probing surface membrane receptors using engineered bacteriophage bioconjugates. *Bioconjug Chem.* 2019;30:1500-1506. [PubMed](#)

Jindal S, Thampy H, Day PJR, Kell DB. Very rapid flow cytometric assessment of antimicrobial susceptibility during the apparent lag phase of microbial (re)growth. *Microbiology.* 2019;165:439-454. [PubMed](#)

Kadoya R, Matsumoto K, Takisawa K, Ooi T, Taguchi S. Enhanced production of lactate-based polyesters in Escherichia coli from a mixture of glucose and xylose by Mlc-mediated catabolite derepression. *J Biosci Bioeng.* 2018;125:365-370. [PubMed](#)

Rosowski S, Becker S, Toleikis L, et al. A novel one-step approach for the construction of yeast surface display Fab antibody libraries. *Microbial Cell Factories.* 2018;17:3. [BMC](#)

Sugahara H, Okai S, Odamaki T, et al. Decreased taxon-specific IgA response in relation to the changes of gut microbiota composition in the elderly. *Front Microbiol.* 2017;8:1757. [PubMed](#)

Kadoya R, Kodama Y, Matsumoto K, Ooi T, Taguchi S. Genome-wide screening of transcription factor deletion targets in Escherichia coli for enhanced production of lactate-based polyesters. *J Biosci Bioeng.* 2017;123:535-539. [PubMed](#)

Cabrefiga J, Montesinos E. Lysozyme enhances the bactericidal effect of BP100 peptide against Erwinia amylovora, the causal agent of fire blight of rosaceous plants *BMC Microbiol.* 2017;17:39. [BMC](#)

Blow F, Gioti A, Starns D, et al. Draft genome sequence of the Bactrocera oleae symbiont "Candidatus Erwinia dacicola." *Genome Announc.* 2016;4:e00896-16. [PubMed](#)