

SELECTED PUBLICATIONS

Dr. Georg Schaumann (né Schendzielorz)

- Schendzielorz G**, Dippong M, Grünberger A, Kohlheyer D, Yoshida A, Binder S, Nishiyama C, Nishiyama M, Bott M, Eggeling L. Taking Control over Control: Use of Product Sensing in Single Cells to Remove Flux Control at Key Enzymes in Biosynthesis Pathways. *ACS Synthetic Biology* 2014, **3**(1): 21-9
- Siedler S, **Schendzielorz G**, Binder S, Eggeling L, Bringer S, Bott M. Development of a biosensor for the detection of low intracellular NADPH/NADP⁺ ratios and its application for enzyme evolution and high-throughput screening. *ACS Synthetic Biology* 2014, **3**(1): 41-7
- Schendzielorz G**, Binder S, Marienhagen M. Biosensoren für die mikrobielle Stammentwicklung im Hochdurchsatzformat. *BIOspektrum* 2014, **20**: 228-30
- Grünberger A, van Ooyen J, Paczia N, Rohe P, **Schendzielorz G**, Eggeling L, Wiechert W, Noack S. Beyond growth rate 0.6: *Corynebacterium glutamicum* cultivated in highly diluted environments. *Biotechnol Bioeng* 2013, **110**: 220-228
- Binder S, **Schendzielorz G**, Stähler N, Krumbach K, Hoffmann K, Bott M, Eggeling L. A high-throughput approach to identify genomic variants of bacterial metabolite producers at the single-cell level. *Genome Biology* 2012, **13**: R40.
- Grünberger A, Paczia N, Probst C, **Schendzielorz G**, Eggeling L, Noack S, Wiechert W, Kohlheyer D. A disposable picolitre bioreactor for cultivation and investigation of industrially relevant bacteria on the single cell level. *Lab on a Chip* 2012, **12**: 2060-2068
- Eggeling L, Binder S, **Schendzielorz G**, Bott M. Optische Nanosensoren für Metabolit-Monitoring in der mikrobiellen Biotechnologie. *Chemie Ingenieur Technik* 2012, **84**(8): 1337