

XanTec bioanalytics GmbH

Selected Publications

2023

Capelli, D., Scognamiglio, V., & Montanari, R. (2023). Surface plasmon resonance technology: Recent advances, applications and experimental cases. *TrAC Trends in Analytical Chemistry*, 117079.

Genick, C., Kroemer, M., Ostermeier, D. (2023). Tackling Challenging Targets with High-Throughput Biophysical Screening at Novartis. Case study Genedata Screener®, High-throughput biophysical screening at Novartis, application note

Dobrovodský, D., & Di Primo, C. (2023). Do conformational changes contribute to the surface plasmon resonance signal?. *Biosensors and Bioelectronics*, 232, 115296.

Schasfoort, R. B. (2023). Gradient method for accurate affinity determinations. *Analytical biochemistry*, 667, 115085.

Hommel, U., Hurth, K., Rondeau, J. M., Vulpetti, A., Ostermeier, D., Boettcher, A., ... & Bornancin, F. (2023). Discovery of a selective and biologically active low-molecular weight antagonist of human interleukin-1 β . *Nature Communications*, 14(1), 5497.

Sobek, J., Li, J., Combes, B. F., Gerez, J. A., Nilsson, P. K., Henrich, M. T., ... & Ni, R. (2023). Efficient characterization of multiple binding sites of small molecule imaging ligands on amyloid-beta, 4-repeat/full-length tau and alpha-synuclein. *bioRxiv*, 2023-03.

Fu, F., Zheng, M., Zhao, S., Wang, Y., Huang, M., Chen, H., ... & Zhang, X. (2023). Therapeutic Characterization of 131I-Labeled Humanized Anti-B7-H3 Antibodies for Radioimmunotherapy for Glioblastoma. *Engineering*.

Susvirkar, V., & Faesen, A. C. (2023). Shieldin complex assembly kinetics and DNA binding by SHLD3. *Communications Biology*, 6(1), 384.

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Roy, S., Booth, C. E., Powell-Pierce, A. D., Schulz, A. M., Skare, J. T., & Garcia, B. L. (2023). Conformational dynamics of complement protease C1r inhibitor proteins from Lyme disease—and relapsing fever—causing spirochetes. *Journal of Biological Chemistry*, 299(8).

Jeong, K. B., Ryu, M., Kim, J. S., Kim, M., Yoo, J., Chung, M., ... & Chi, S. W. (2023). Single-molecule fingerprinting of protein-drug interaction using a funneled biological nanopore. *Nature Communications*, 14(1), 1461.

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