

## XanTec bioanalytics GmbH

### Selected Publications

#### 2021

Bian, J., Liu, Y. Q., He, J., Lin, X., Qiu, C. Y., Yu, W. B., ... & Chu, Y. (2021). Discovery of styrylaniline derivatives as novel alpha-synuclein aggregates ligands. *European Journal of Medicinal Chemistry*, 113887.

Sokal, A., Barba-Spaeth, G., Fernández, I., Broketa, M., Azzaoui, I., de La Selle, A., ... & Mahévas, M. (2021). mRNA vaccination of naive and COVID-19-recovered individuals elicits potent memory B cells that recognize SARS-CoV-2 variants. *Immunity*.

Tamborino, G., Perrot, Y., De Saint-Hubert, M., Struelens, L., Nonnekens, J., De Jong, M., ... & Villagrasa, C. (2021). Modeling early radiation DNA damage occurring during [177Lu] Lu-DOTA-[Tyr3] octreotate radionuclide therapy. *Journal of Nuclear Medicine*.

Couto, D., Richter, A., Walter, H., Furkert, D., Hothorn, M., & Fiedler, D. (2021). Using Biotinylated myo-Inositol Hexakisphosphate to Investigate Inositol Pyrophosphate-Protein Interactions with Surface-Based Biosensors. *Biochemistry*.

Doyle, M. P., Kose, N., Borisevich, V., Binshtein, E., Amaya, M., Nagel, M., ... & Crowe Jr, J. E. (2021). Cooperativity mediated by rationally selected combinations of human monoclonal antibodies targeting the henipavirus receptor binding protein. *Cell Reports*, 36(9), 109628.

Acier, A., Godard, M., Gassiot, F., Finetti, P., Rubis, M., Nowak, J., ... & Guillaumond, F. (2021). LDL receptor-peptide conjugate as in vivo tool for specific targeting of pancreatic ductal adenocarcinoma. *Communications Biology*, 4(1), 1-13.

Martino, R. A., Fluck III, E. C., Murphy, J., Wang, Q., Hoff, H., Pumroy, R. A., ... & Wilson, J. M. (2021). Context-Specific Function of the Engineered Peptide Domain of PHP. *B. Journal of Virology*, JVI-01164.

Bordoloi, D., Xu, Z., Ho, M., Purwar, M., Bhojnagarwala, P., Cassel, J., ... & Muthumani, K. (2021). Identification of Novel Neutralizing Monoclonal Antibodies against SARS-CoV-2 Spike Glycoprotein. *ACS Pharmacology & Translational Science*.

Multamäki, E., Nanekar, R., Morozov, D., Lievonen, T., Golonka, D., Wahlgren, W. Y., ... & Takala, H. (2021). Comparative analysis of two paradigm bacteriophytochromes reveals opposite functionalities in two-component signaling. *Nature Communications*, 12(1), 1-14.

Li, L., Xu, H., Zhou, J., Yu, J., Copeland, L., & Wang, S. (2021). Mechanisms Underlying the Effect of Tea Extracts on In Vitro Digestion of Wheat Starch. *Journal of Agricultural and Food Chemistry*.

Schasfoort, R. B., van Weperen, J., van Amsterdam, M., Parisot, J., Hendriks, J., Koerselman, M., ... & Mulder, A. L. (2021). High throughput Surface Plasmon Resonance imaging method for clinical detection of presence and strength of binding of IgM, IgG and IgA antibodies against SARS-CoV-2 during CoViD-19 infection. *MethodsX*, 101432.

Ghadiri, H., Alavi, S., Dabirmanesh, B., & Khajeh, K. (2021). Characterization of Interaction of the MBP-Tagged MuRif1-C-Terminal Domain with G-Quadruplex DNA by SPR. *Biochemistry (Moscow)*, 86(7), 898-905.

- Li, B. X., Dai, X., Xu, X. R., Adili, R., Neves, M. A. D., Lei, X., ... & Ni, H. (2021). In vitro assessment and phase I randomized clinical trial of anfibatide a snake venom derived anti-thrombotic agent targeting human platelet GPIIb/IIIa. *Scientific Reports*, 11(1), 1-17.
- Bellassai, N., D'Agata, R., Marti, A., Rozzi, A., Volpi, S., Allegretti, M., ... & Spoto, G. (2021). Detection of Tumor DNA in Human Plasma with a Functional PLL-Based Surface Layer and Plasmonic Biosensing. *ACS sensors*.
- Bood, M., del Nogal, A. W., Nilsson, J. R., Edfeldt, F., Dahlén, A., Lemurell, M., ... & Grøtli, M. (2021). Interbase-FRET binding assay for pre-microRNAs. *Scientific Reports*, 11(1), 1-9.
- Dopler, A., Stibitzky, S., Hevey, R., Mannes, M., Guariento, M., Höchsmann, B., ... & Schmidt, C. Q. (2021). Deregulation of Factor H by Factor H-Related Protein 1 Depends on Sialylation of Host Surfaces. *Frontiers in immunology*, 12, 201.
- Baart, V. M., van der Horst, G., Deken, M. M., Bhairosingh, S. S., Schomann, T., Sier, V. Q., ... & Sier, C. F. (2021). A multimodal molecular imaging approach targeting urokinase plasminogen activator receptor for the diagnosis, resection and surveillance of urothelial cell carcinoma. *European Journal of Cancer*, 146, 11-20.
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- Parys, K., Colaianni, N. R., Lee, H. S., Hohmann, U., Edelbacher, N., Trgovcevic, A., ... & Belkhadir, Y. (2021). Signatures of antagonistic pleiotropy in a bacterial flagellin epitope. *Cell Host & Microbe*.
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Quek, A. J., Mazzitelli, B. A., Wu, G., Leung, E. W., Caradoc-Davies, T. T., Lloyd, G. J., ... & Law, R. H. (2021). Structure and function characterization of the a1a2 motifs of Streptococcus pyogenes M protein in human plasminogen binding. *Journal of molecular biology*, 431(19), 3804-3813.

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## 2020

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Crook, A. D., Willoughby, A. C., Hazak, O., Okuda, S., VanDerMolen, K. R., Soyars, C. L., ... & Hardtke, C. S. (2020). BAM1/2 receptor kinase signaling drives CLE peptide-mediated formative cell divisions in Arabidopsis roots. *Proceedings of the National Academy of Sciences*.

Sobek, J., & Schlappbach, R. (2020). Dependence of Fluorescence Quenching of CY3 Oligonucleotide Conjugates on the Oxidation Potential of the Stacking Base Pair. *Molecules*, 25(22), 5369.

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- Pedersen, H., Jensen, R. K., Jensen, J. M. B., Fox, R., Pedersen, D. V., Olesen, H. G., ... & Hansen, P. (2020). A Complement C3-Specific Nanobody for Modulation of the Alternative Cascade Identifies the C-Terminal Domain of C3b as Functional in C5 Convertase Activity. *The Journal of Immunology*, 205(8), 2287-2300.
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