

Piotr Chyży

Lista publikacji

1. Chyży, P., Kulik, M., Shinobu, A., Re, S., Sugita, Y., Trylska, J. (2024). Molecular dynamics in multidimensional space explains how mutations affect the association path of neomycin to a riboswitch, *Proceedings of the National Academy of Sciences of the United States of America* 121(15), s. e2317197121.
2. Krajewska, J., Chyży, P., Durka, K., Wińska, P., Krzyśko, K.A., Luliński, S., Laudy, A.E. (2023). Aromatic Diboronic Acids as Effective KPC/AmpC Inhibitors, *Molecules* 28(21), s. 7362.
3. Chyży, P., Kulik, M., Re, S., Sugita, Y., Trylska, J. (2021). Mutations of N1 Riboswitch Affect its Dynamics and Recognition by Neomycin Through Conformational Selection, *Frontiers in Molecular Biosciences* 633130, s. 633130.
4. Macyszyn, J., Chyży, P., Burmistrz, M., Lobka, M., Miszkiewicz, J., Wojciechowska, M., Trylska, J. (2023). Structural dynamics influences the antibacterial activity of a cell-penetrating peptide (KFF)3K, *Scientific Reports* 13, s. 14826.
5. Chyży, P., Kulik, M., Shinobu, A., Re, S., Sugita, Y., Trylska, J. (2022). Association and binding pathways of neomycin with the RNA aptamer – two-step binding mechanism, *International Society of Quantum Biology and Pharmacology 2022 President's Meeting*, 11-14.07.2022 r., Innsbruck, Austria.