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Publication List

Published:

Selection of Optimised Ligands by Fluorescence-Activated Bead Sorting. Paul, A. R., Falsaperna, M., Lavender, H., Garrett, M. D., Serpell, C. J. *Chem. Sci.*, 2023, **14**, 9517-9525 (IF:10)

Sequence-defined oligophosphoesters for selective inhibition of the KRAS G12D/RAF1 interaction. Claringbold, B. R., Vance, S., Paul, A. R., Garrett, M. D., Serpell, C. J. *Chem. Sci.*, 2025, **16**, 113 (IF:10)

Developing Aptamer-targeted mRNA for Immunotherapy. Paul, A. R. & Al-Jamal, K. T. *Springer Nature: Methods in Molecular Biology*. 2025

In preparation:

Insights into the Sequence-Assembly of Sequence-defined Phosphoestamers From Molecular Dynamics Simulations and Diffusion-Ordered NMR Spectroscopy. Williamson, J., Piskorz, T., Claringbold, B. R., Paul, A. R., Garrett, M. D., Duarte, F., Serpell, C. J. (Ready for submission).

Advances in Aptamer Drug Delivery Systems for Treatment of Neurodegenerative Diseases. Paul, A. R., Moreno Mitchell, A., Harrison, O. J., Luo, Y., Al-Hiyarat, T. & Al-Jamal, K. T.

Targeted nucleic acid delivery to T-cells via a novel Bi-NA delivery system using CD3e aptamer. Paul, A. R., Luo, Y., Walters, A.A. & Al-Jamal, K. T.

A new aptamer delivery system transporting nucleic acids to T-cells for glioblastoma immunotherapy. Paul, A. R., Zam, A. Marrocu, A., Moreno Mitchell, A., Rouatbi, N. Walters, A.A. & Al-Jamal, K. T.

In vivo aptamer selection for cardiomyocytes. Gafar, H., Paul, A. R., Giacca, M. & Al-Jamal, K. T.