

## Список публикаций за последние 5 лет

- 1: Novopashina DS, Dymova MA, Davydova AS, Meschaninova MI, Malysheva DO, Kuligina EV, Richter VA, Kolesnikov IA, Taskaev SY, Vorobyeva MA. Aptamers for Addressed Boron Delivery in BNCT: Effect of Boron Cluster Attachment Site on Functional Activity. *Int J Mol Sci.* 2022 Dec 24;24(1):306. doi: 10.3390/ijms24010306. PMID: 36613750.
- 2: Petrov G, Dymova M, Richter V. Bacteriophage-Mediated Cancer Gene Therapy. *Int J Mol Sci.* 2022 Nov 17;23(22):14245. doi: 10.3390/ijms232214245. PMID: 36430720; PMCID: PMC9697857.
- 3: Dymova MA, Vasileva NS, Kuligina EV, Savinovskaya YI, Zinchenko ND, Ageenko AB, Mishinov SV, Stepanov GA, Richter VA, Semenov DV. MicroRNA and mRNA Expression Changes in Glioblastoma Cells Cultivated under Conditions of Neurosphere Formation. *Curr Issues Mol Biol.* 2022 Oct 30;44(11):5294-5311. doi: 10.3390/cimb44110360. PMID: 36354672; PMCID: PMC9688839.
- 4: Vasileva NS, Kuligina EV, Dymova MA, Savinovskaya YI, Zinchenko ND, Ageenko AB, Mishinov SV, Dome AS, Stepanov GA, Richter VA, Semenov DV. Transcriptome Changes in Glioma Cells Cultivated under Conditions of Neurosphere Formation. *Cells.* 2022 Oct 2;11(19):3106. doi: 10.3390/cells11193106. PMID: 36231068; PMCID: PMC9563256.
- 5: Dome A, Dymova M, Richter V, Stepanov G. Post-Transcriptional Modifications of RNA as Regulators of Apoptosis in Glioblastoma. *Int J Mol Sci.* 2022 Aug 17;23(16):9272. doi: 10.3390/ijms23169272. PMID: 36012529; PMCID: PMC9408889.
- 6: Dymova MA, Utkin YA, Dmitrieva MD, Kuligina EV, Richter VA. Modification of a Tumor-Targeting Bacteriophage for Potential Diagnostic Applications. *Molecules.* 2021 Oct 29;26(21):6564. doi: 10.3390/molecules26216564. PMID: 34770973; PMCID: PMC8588016.
- 7: Popova T, Dymova MA, Koroleva LS, Zakharova OD, Lisitskiy VA, Raskolupova VI, Sycheva T, Taskaev S, Silnikov VN, Godovikova TS. Homocystamide Conjugates of Human Serum Albumin as a Platform to Prepare Bimodal Multidrug Delivery Systems for Boron Neutron Capture Therapy. *Molecules.* 2021 Oct 29;26(21):6537. doi: 10.3390/molecules26216537. PMID: 34770947; PMCID: PMC8586956.
- 8: Vorobyeva MA, Dymova MA, Novopashina DS, Kuligina EV, Timoshenko VV, Kolesnikov IA, Taskaev SY, Richter VA, Venyaminova AG. Tumor Cell-Specific 2'-Fluoro RNA Aptamer Conjugated with Closo-Dodecaborate as A Potential Agent for Boron Neutron Capture Therapy. *Int J Mol Sci.* 2021 Jul 7;22(14):7326. doi: 10.3390/ijms22147326. PMID: 34298946; PMCID: PMC8307642.
- 9: Dymova MA, Kuligina EV, Richter VA. Molecular Mechanisms of Drug Resistance in Glioblastoma. *Int J Mol Sci.* 2021 Jun 15;22(12):6385. doi:10.3390/ijms22126385. PMID: 34203727; PMCID: PMC8232134.
- 10: Dymova M, Dmitrieva M, Kuligina E, Richter V, Savinov S, Shchudlo I, Sycheva T, Taskaeva I, Taskaev S. Method of Measuring High-LET Particles Dose. *Radiat Res.* 2021 Aug 1;196(2):192-196. doi: 10.1667/RADE-21-00015.1. PMID: 34019668.

11: Dymova MA, Endutkin AV, Polunovsky VV, Zakabunin AI, Khrapov EA, Torgasheva NA, Yudkina AV, Mechetin GV, Filipenko ML, Zharkov DO. [Characterization of Recombinant Endonuclease IV from Mycobacterium tuberculosis]. Mol Biol (Mosk). 2021 Mar-Apr;55(2):258-268. Russian. doi: 10.31857/S002689842102004X. PMID: 33871439.

12: Dmitrieva MD, Voitova AA, Dymova MA, Richter VA, Kuligina EV. Tumor- Targeting Peptides Search Strategy for the Delivery of Therapeutic and Diagnostic Molecules to Tumor Cells. Int J Mol Sci. 2020 Dec 30;22(1):314. doi: 10.3390/ijms22010314. PMID: 33396774; PMCID: PMC7796297.

13: Venu A, Archana B, Kanumuri R, Vuttaradhi VK, D'Cruze L, Murugan S, Ganesh K, Prathiba D, Dymova MA, Rayala SK, Venkatraman G. Clinical Evaluation of P21 Activated Kinase 1 (PAK1) Activation in Gliomas and Its Effect on Cell Proliferation. Cancer Invest. 2021 Jan;39(1):98-113. doi: 10.1080/07357907.2020.1858097. Epub 2020 Dec 16. PMID: 33251876.

14: Dymova MA, Taskaev SY, Richter VA, Kuligina EV. Boron neutron capture therapy: Current status and future perspectives. Cancer Commun (Lond). 2020 Sep;40(9):406-421. doi: 10.1002/cac2.12089. Epub 2020 Aug 17. PMID: 32805063; PMCID: PMC7494062.

15: Filipenko ML, Dymova MA, Cherednichenko AG, Khrapov EA, Mishukova OV, Schwartz YS. Detection of Mutations in Mycobacterium tuberculosis pncA Gene by Modified High-Resolution Melting Curve Analysis of PCR Products. Bull Exp Biol Med. 2019 Dec;168(2):264-269. doi: 10.1007/s10517-019-04688-6. Epub 2019 Nov 28. PMID: 31782002.

