

Сведения об официальном оппоненте

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Список основных публикаций по теме диссертации за последние 5 лет:

1. Azhikina T.L., Ignatov D.V., Salina E.G., Fursov M.V., Kaprelyants A.S. Role of Small Noncoding RNAs in Bacterial Metabolism // Biochemistry (Mosc.) – 2015. – V. 80. – P. 1633–1646. – doi: 10.1134/S0006297915130015.
2. Gainetdinov I.V., Skvortsova Y.V., Kondratieva S.A., Klimov A., Tryakin A.A., Azhikina T.L. Assessment of piRNA biogenesis and function in testicular germ cell tumors and their precursor germ cell neoplasia in situ // BMC Cancer. – 2018. – V. 18. – doi: 10.1186/s12885-017-3945-6.
3. Salina E.G., Grigorov A.S., Skvortsova Y.V., Majorov K.B., Bychenko O.S., Ostrik A.A., Logunova N.N., Ignatov D.V., Kaprelyants A.S., Apt A.S., Azhikina T.L. MTS1338, A Small Mycobacterium tuberculosis RNA, Regulates Transcriptional Shifts Consistent With Bacterial Adaptation for Entering Into Dormancy and Survival Within Host Macrophages // Front. Cell. Infect. Microbiol. – 2019. – V. 9. – P. e405.
4. Skvortsova Y.V., Salina E.G., Burakova E.A., Bychenko O.S., Stetsenko D.A., Azhikina T.L. A new antisense phosphoryl guanidine oligo-2'-O-methylribonucleotide penetrates into intracellular mycobacteria and suppresses target gene expression // Front. Pharmacol. – 2019. – V. 10. – P. e1049. – doi: 10.3389/fphar.2019.01049.
5. Chiarelli L.R., Salina E.G., Mori G., Azhikina T., Riabova O., Lepioshkin A., Grigorov A., Forbak M., Madacki J., Orena B.S., Manfredi M., Gosetti F., Buzzi A., Degiacomi G., Sammartino J.C., Marengo E., Korduláková J., Riccardi G., Mikušová K., Makarov V., Pasca M.R. New insights into the mechanism of action of the thienopyrimidine antitubercular prodrug TP053 // ACS Infect. Dis. – 2019. – V. 6. – P. 313–323.
6. Bychenko O.S., Skvortsova Y.V., Grigorov A.S., Azhikina T.L. Use of Genetically Encoded Fluorescent Aptamers for Visualization of Mycobacterium tuberculosis Small RNA MTS1338 in Infected Macrophages // Dokl. Biochem. Biophys. – 2020. – V. 493. – P. 185–189. – doi: 10.1134/S1607672920040055.

7. Ponomaryova A.A., Rykova E.Y., Gervas P.A., Cherdynseva N.V., Mamedov I.Z., Azhikina T.L. Aberrant Methylation of LINE-1 Transposable Elements: A Search for Cancer Biomarkers // Cells. – 2020. – V. 9. – P. E2017. – doi: 10.3390/cells9092017.
8. Ostriк A.A., Salina E.G., Skvortsova Y.V., Grigorov A.S., Bychenko O.S., Kaprelyants A.S., Azhikina T.L. Small RNAs of Mycobacterium tuberculosis in Adaptation to Host-Like Stress Conditions *in vitro* // Appl. Biochem. Micro. – 2020. – V. 56. – P. 381–386.