

## Сведения об официальном оппоненте

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Список основных публикаций по теме диссертации за последние 5 лет:

1. Sounbuli K., Alekseeva L.A., Sen'kova A. V., Markov O. V., Savin I.A., Zenkova M.A., **Mironova N.L.** Neutrophils in Cancer: Phenotypic Heterogeneity Across Tumor Models and Significant Alteration of Splenic Neutrophil Phenotype in Lymphosarcoma RLS40 Model Following DNase I Treatment // *Cancers (Basel)*, – 2025. – Vol. 17. – № 16. – P. 2631.
2. Alekseeva L.A., Sen'kova A. V., Sounbuli K., Savin I.A., Zenkova M.A., **Mironova N.L.** Pulmozyme Ameliorates LPS-Induced Lung Fibrosis but Provokes Residual Inflammation by Modulating Cell-Free DNA Composition and Controlling Neutrophil Phenotype // *Biomolecules*. – 2025. – Vol. 15. – № 2. – P. 298.
3. Filatova A.A., Alekseeva L.A., Sen'kova A. V., Savin I.A., Sounbuli K., Zenkova M.A., **Mironova N.L.** Tumor- and Fibroblast-Derived Cell-Free DNAs Differently Affect the Progression of B16 Melanoma In Vitro and In Vivo // *Int. J. Mol. Sci.*, – 2024. – Vol. 25. – № 10. – P. 5304.
4. Filatova A.A., Alekseeva L.A., Savin I.A., Sen'kova A. V., Zenkova M.A., **Mironova N.L.** The Effect of Cell-Free DNA from Blood Serum of Mice with Metastatic Melanoma on Enhancement of Oncogenic Properties of Melanoma Cells // *Biochem. Springer*, – 2023. – Vol. 88. – № 7. – P. 995–1007.
5. Sounbuli K., Alekseeva L.A., Markov O. V., **Mironova N.L.** A Comparative Study of Different Protocols for Isolation of Murine Neutrophils from Bone Marrow and Spleen // *Int. J. Mol. Sci.*, – 2023. – Vol. 24. – № 24. – P. 17273.
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7. Sounbuli K., **Mironova N.**, Alekseeva L. Diverse Neutrophil Functions in Cancer and Promising Neutrophil-Based Cancer Therapies // *Int. J. Mol. Sci.*, – 2022. – Vol. 23. – № 24. – P. 15827.

8. Mohamed I.S.E., Sen'kova A. V., Markov O. V., Markov A. V., Savin I.A., Zenkova M.A., **Mironova N.L.** Bovine Pancreatic RNase A: An Insight into the Mechanism of Antitumor Activity In Vitro and In Vivo // *Pharmaceutics*, – 2022. – Vol. 14. – № 6. – P. 1173.
9. Kupryushkin MS, Filatov AV, **Mironova NL**, Patutina OA, Chernikov IV, Chernolovskaya EL, Zenkova MA, Pyshnyi DV, Stetsenko DA, Altman S, Vlassov VV. Antisense oligonucleotide gapmers containing phosphoryl guanidine groups reverse MDR1-mediated multiple drug resistance of tumor cells. *Mol Ther Nucleic Acids*. 2021 Nov 29;27:211-226.
10. Alekseeva L, Sen'kova A, Savin I, Zenkova M, **Mironova N.** Human Recombinant DNase I (Pulmozyme®) Inhibits Lung Metastases in Murine Metastatic B16 Melanoma Model That Correlates with Restoration of the DNase Activity and the Decrease SINE/LINE and c-Myc Fragments in Blood Cell-Free DNA. *Int J Mol Sci*. 2021 Nov 8;22(21):12074.