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Адрес

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Образование

2005– 2008	Российская Федерация	Московский Государственный Университет им. М.В. Ломоносова, химический факультет	аспирантура
2000– 2005	Российская Федерация	Московский Государственный Университет им. М.В. Ломоносова, химический факультет	специалист, диплом с отличием

Работа в ИБХ

2020–наст.вр.	Ведущий научный сотрудник
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Владение языками

русский, английский

Научные интересы

- Молекулярные механизмы метастазирования опухолей;
- Роль внеклеточного матрикса в развитии опухолевых заболеваний;
- Роль внеклеточного матрикса в процессе метастазирования;
- Молекулы клеточной адгезии;
- Роль молекул клеточной адгезии в процессе метастазирования;
- Микрофлюидные системы типа «орган-на-чипе»;
- In vitro модель кишечника человека;
- Эпигенетические механизмы регуляции экспрессии генов, микро-РНК, метилирование ДНК.

Степени и звания

Кандидат наук (Химические науки, 02.00.10 — Биоорганическая химия)

Публикации

1. **Maltseva D**, Kirillov I, Zhiyanov A, Averinskaya D, Suvorov R, Gubani D, Kudriaeva A, Belogurov A, Tonevitsky A (2024). Incautious design of shRNAs for stable overexpression of miRNAs could result in generation of undesired isomiRs. *BIOCHIM BIOPHYS ACTA* 1867 (3), 195046, [10.1016/j.bbagra.2024.195046](https://doi.org/10.1016/j.bbagra.2024.195046)
2. Makarova J, **Maltseva D**, Tonevitsky A (2023). Challenges in characterization of transcriptomes of extracellular vesicles and non-vesicular extracellular RNA carriers. *Front Mol Biosci* 10, 1327985, [10.3389/fmolb.2023.1327985](https://doi.org/10.3389/fmolb.2023.1327985)
3. **Maltseva DV**, Tonevitsky AG (2023). RNA-binding proteins regulating the CD44 alternative splicing. *Front Mol Biosci* 10, 1326148, [10.3389/fmolb.2023.1326148](https://doi.org/10.3389/fmolb.2023.1326148)
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6. Nersisyan S, Zhiyanov A, Engibaryan N, **Maltseva D**, Tonevitsky A (2022). A novel approach for a joint analysis of isomiR and mRNA expression data reveals features of isomiR targeting in breast cancer. *Front Genet* 13, 1070528, [10.3389/fgene.2022.1070528](https://doi.org/10.3389/fgene.2022.1070528)
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8. Volynsky P, **Maltseva D**, Tabakmakher V, Bocharov EV, Raygorodskaya M, Zakharova G, Britikova E, Tonevitsky A, Efremov R (2022). Differences in Medium-Induced Conformational Plasticity Presumably Underlie Different Cytotoxic Activity of Ricin and Viscumin. *Biomolecules* 12 (2), , [10.3390/biom12020295](https://doi.org/10.3390/biom12020295)
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11. Nersisyan SA, Galatenko AV, **Maltseva DV**, Ushkaryov YuA, Tonevitsky AG (2020). Interrelation between miRNA and mRNA expression in HT-29 line cells under hypoxia. *Bulletin of Russian State Medical University* (06), 2020, [10.24075/brsmu.2020.074](https://doi.org/10.24075/brsmu.2020.074)
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13. **Maltseva DV**, Raigorodskaya MP, Zgoda VG, Tonevitsky EA, Knyazev EN (2020). Intracellular Transport of Ribosome-Inactivating Proteins Depends on Annexin 13. *Dokl Biochem Biophys* 494 (1), 219–221, [10.1134/S1607672920040092](https://doi.org/10.1134/S1607672920040092)
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