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Адрес

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Контакты

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Образование

| | | | |
|---------------|-------------------------|---|----------------------------------|
| 2005– 2008 | Российская Федерация | Московский Государственный Университет им. М.В. Ломоносова, химический факультет | аспирантура |
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Работа в ИБХ

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| 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 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.bbagr.2024.195046](https://doi.org/10.1016/j.bbagr.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)
4. Everest-Dass A, Nersisyan S, Maar H, Novosad V, Schröder-Schwarz J, Freytag V, Stuke JL, Beine MC, Schiecke A, Haider MT, Kriegs M, Elakad O, Bohnenberger H, Conradi LC, Raygorodskaya M, Krause L, von Itzstein M, Tonevitsky A, Schumacher U, **Maltseva D**, Wicklein D, Lange T (2023). Spontaneous metastasis

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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)
9. Knyazev E, **Maltseva D**, Raygorodskaya M, Shkurnikov M (2021). HIF-Dependent NFATC1 Activation Upregulates ITGA5 and PLAUR in Intestinal Epithelium in Inflammatory Bowel Disease. *Front Genet* 12, 791640, [10.3389/fgene.2021.791640](https://doi.org/10.3389/fgene.2021.791640)
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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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15. **Maltseva DV**, Raigorodskaya MP, Tikhonova OV, Knyazev EN, Tonevitsky EA (2020). Relationship between the Expression Level of PSMD11 and Other Proteasome Proteins with the Activity of Ricin and Viscumin. *Dokl Biochem Biophys* 493 (1), 198–200, [10.1134/S1607672920040080](https://doi.org/10.1134/S1607672920040080)
16. **Maltseva DV**, Shkurnikov MY, Nersisyan SA, Nikulin SV, Kurnosov AA, Raigorodskaya MP, Osipyants AI, Tonevitsky EA (2020). Hypoxia enhances transcytosis in intestinal enterocytes. *Bulletin of Russian State Medical University* (4), 60–66, [10.24075/brsmu.2020.049](https://doi.org/10.24075/brsmu.2020.049)
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26. Knyazeva EA, Knyazev EN, Gerasimenko TN, Kindeeva OV, **Maltseva DV**, Turchinovich A, Sergievich AA (2019). Laminin 521 alters the SNAI1, ZNF708 and GRN gene expression in BeWo b30 cells and creates physiological conditions for the placental barrier. *Biotechnologiya* 35 (5), 87–93, [10.21519/0234-2758-2019-35-5-87-93](https://doi.org/10.21519/0234-2758-2019-35-5-87-93)
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