Резюме: Мальцева Диана Васильевна

Адрес

Федеральное государственное бюджетное учреждение науки Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова Российской академии наук, Москва, Россия

Контакты

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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

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)

Гранты и проекты

2019–2023	Микрофлюидные технологии для поиска физиологически активных метаболитов, микробиотических средств, диагностики аутоиммунных и онкологических заболеваний

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2. **Maltseva D**, Nersisyan A, Tonevitsky A (2025). Interplay of integrins and selectins in metastasis. *Mol Oncol* , , 10.1002/1878-0261.70026
3. Yanova M, Stepanova E, **Maltseva D**, Tonevitsky A (2025). CD44 variant exons induce chemoresistance by modulating cell death pathways. *Front Cell Dev Biol* 13, 1508577, 10.3389/fcell.2025.1508577
4. **Maltseva D**, Kirillov I, Zhiyanov A, Averinskaya D, Suvorov R, Gubani D, Kudriaeva A, Belogurov A,

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5. 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
6. **Maltseva DV**, Tonevitsky AG (2023). RNA-binding proteins regulating the CD44 alternative splicing. *Front Mol Biosci* 10, 1326148, 10.3389/fmolb.2023.1326148
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9. 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
10. Shilova N, Bovin N, **Maltseva D**, Polyakova S, Sablina M, Niwa H, Zakharova G, Raygorodskaya M, Bufeeva L, Belyi Y, Hushpulian D, Tonevitsky A (2022). Specificity of viscumin revised. As probed with a printed glycan array. *Biochimie* 202, 94–102, 10.1016/j.biochi.2022.08.009
11. 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
12. 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
13. **Maltseva DV**, Poloznikov AA, Artyushenko VG (2020). Selective changes in expression of integrin α-subunits in the intestinal epithelial Caco-2 cells under conditions of hypoxia and microcirculation. *Bulletin of Russian State Medical University* (06), 2020, 10.24075/brsmu.2020.078
14. 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
15. Raigorodskaya MP, Turchinovich A, Tsypina IM, Zgoda VG, Nikulin SV, **Maltseva DV** (2020). Laminin 521 Modulates the Cytotoxic Effect of 5-Fluorouracil on HT29 Colorectal Cancer Cells. *APPL BIOCHEM MICRO+* 56 (8), 870–874, 10.1134/S0003683820080074
16. **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
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18. **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
19. **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
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