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. 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

3. **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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5. Novosad VO, **Maltseva DV** (2023). The RNA-Binding Proteins OAS1, ZFP36L2, and DHX58 Are Involved in the Regulation of CD44 mRNA Splicing in Colorectal Cancer Cells. *Bull Exp Biol Med* 175 (1), 144–149, 10.1007/s10517-023-05826-x
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
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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
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
10. **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
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
12. 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
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
14. Shkurnikov MY, Nersisyan SA, Osepyan AS, **Maltseva DV**, Knyazev EN (2020). Differences in the Drosha and Dicer Cleavage Profiles in Colorectal Cancer and Normal Colon Tissue Samples. *Dokl Biochem Biophys* 493 (1), 208–210, 10.1134/S1607672920040122
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
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