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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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Работа в ИБХ

2005–наст.вр.

Младший научный сотрудник

Навыки

Работаю с культурами клеток с 2003 года, с большим количеством разных клеточных линий одновременно - с 2014 года. Составляю коллекцию клеточных линий, клетки для которой выращиваются по правилам клеточного банка, т е без антибиотиков и при максимально возможном исключении взаимной контаминации линий.

Также владею методами: проточная цитометрия, МТТ-тест, ИФА, измерение уровня АТФ при помощи хемилюминесценции.

Владение языками

русский, английский

Научные интересы

Иммунология, клеточные линии, банк клеток

Публикации

1. Svirshchevskaya EV, Kostenko VV, Boyko AA, Shevtsov B, Kholodenko RV, **Grechikhina MV**, Gracheva IA, Fedorov AY, Sapozhnikov AM (2024). Core–Shell Chitosan Particles Targeting Membrane-Bound Heat Shock Protein 70 for Cancer Therapy. *Nanomaterials (Basel)* 14 (23), 1873, [10.3390/nano14231873](https://doi.org/10.3390/nano14231873)
2. Alekseeva NA, Boyko AA, Shevchenko MA, **Grechikhina MV**, Streltsova MA, Alekseeva LG, Sapozhnikov AM, Deyev SM, Kovalenko EI (2024). Three-Dimensional Model Analysis Revealed Differential Cytotoxic Effects of the NK-92 Cell Line and Primary NK Cells on Breast and Ovarian Carcinoma Cell Lines Mediated by Variations in Receptor–Ligand Interactions and Soluble Factor Profiles. *Biomedicines* 12 (10), 2398, [10.3390/biomedicines12102398](https://doi.org/10.3390/biomedicines12102398)
3. Streltsova MA, Palamarchuk AI, Vavilova JD, Ustiuzhanina MO, Boyko AA, Velichinskii RA, Alekseeva NA, **Grechikhina MV**, Shustova OA, Sapozhnikov AM, Kovalenko EI (2024). Methodological Approaches for Increasing the Retroviral Transduction Efficiency of Primary NK Cells. *Curr Pharm Des* 30 (37), 2947–2958, [10.2174/0113816128314633240724060916](https://doi.org/10.2174/0113816128314633240724060916)
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5. Ovsyanikova OV, Shustova OA, **Grechikhina MV**, Sapozhnikov AM (2024). Flow cytometric analysis of the interaction of monoclonal antibodies to various epitopes of the HSP70 molecule with intracellular and membrane-associated forms of this protein. *Medical Immunology (Russia)* 26 (5), 905–912, [10.15789/1563-0625-FCA-16716](https://doi.org/10.15789/1563-0625-FCA-16716)
6. Kostenko VV, Boyko AA, **Grechikhina MV**, Ovsyanikova OV, Sapozhnikov AM (2024). Expression of membrane HSP70 on tumor cells during cultivation in 3D cultures. *Medical Immunology (Russia)* 26 (4), 657–

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20. **(конференция)** Вавилова ЮД, Бойко АА, Шустова ОА, **Гречихина МВ**, Доронина ЕВ, Троянова НИ, Коваленко ЕИ, Сапожников АМ (2019). A comparative study of apoptosis in peripheral blood leukocytes in patients with Parkinson's disease and healthy donors. *Cell Death Discov* , , <https://doi.org/10.1038/s41420-018-0128-4>

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