

## Резюме: Гречихина Мария Владимировна

### Адрес

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

### Контакты

<https://www.ibch.ru/users/392>

### 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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7. Alekseeva NA, Ustyuzhanina MO, Streltsova MA, **Grechikhina MV**, Lutsenko GV, Kovalenko EI (2023). NK CELL EXPANSION IN VITRO IS FOLLOWED BY LOSS OF INHIBITORY KIR EXPRESSION. *Medical Immunology (Russia)* 25 (3), 441–446, [10.15789/1563-0625-NCE-2845](https://doi.org/10.15789/1563-0625-NCE-2845)
8. Streltsova MA, Boyko AA, Ustyuzhanina MO, Palamarchuk AI, Alekseeva NA, Velichinskii RA, Vavilova JD, **Grechikhina MV**, Sapozhnikov AM, Deev SM, Kovalenko EI (2022). Subpopulation Heterogeneity of NK Cells during the Genetic Modification for Subsequent Use in Targeted Therapy. *Dokl Biochem Biophys* 507 (1), 380–382, [10.1134/S1607672922340142](https://doi.org/10.1134/S1607672922340142)
9. Kalinovskiy DV, Kibardin AV, Kholodenko IV, Svirshchevskaya EV, Doronin II, Konovalova MV, **Grechikhina MV**, Rozov FN, Larin SS, Deyev SM, Kholodenko RV (2022). Therapeutic efficacy of antibody-drug conjugates targeting GD2-positive tumors. *J Immunother Cancer* 10 (6), , [10.1136/jitc-2022-004646](https://doi.org/10.1136/jitc-2022-004646)
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