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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

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Образование

2012–2012	Москва, Россия	ИБХ РАН	Диплом доктора химических наук, 2012
1989–1992	Москва, СССР/Россия	Аспирантура ИБХ АН СССР/РАН	Диплом кандидата химических наук, 1993
1982–1989	Минск, СССР	Белорусский государственный университет	Диплом химика (с отличием)

Работа в ИБХ

2018–наст.вр.	Главный научный сотрудник
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Членство в сообществах

Американское химическое общество

Член Учёного совета Института по изысканию новых антибиотиков им. Г.Ф. Гаузе РАНХ

Член Президиума ВАК (2016-2019)

Степени и звания

Доктор наук (Химические науки, 02.00.10 — Биоорганическая химия)

Гранты и проекты

2021–наст.вр.	Разработка средств профилактики и лечения COVID-19 и сопутствующих инфекционных заболеваний с использованием генетических технологий
2020–2022	Конъюгаты антибиотиков с антителами: рациональный дизайн для улучшения фармакологических свойств
2020–2022	Противовирусные соединения с широким спектром активности для терапии респираторных вирусных заболеваний
2020–2022	Полифункциональные линкеры для модификации биологически активных соединений
2015–2019	Амфипатические нуклеозиды и их конъюгаты в качестве противовирусных препаратов

Публикации

1. Baranova AA, Alferova VA, **Korshun VA**, Tyurin AP (2023). Modern Trends in Natural Antibiotic Discovery.

- Life (Basel)* 13 (5), , [10.3390/life13051073](https://doi.org/10.3390/life13051073)
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 3. Ilin VA, Pyzhik EV, Balakhonov AB, Kiryushin MA, Shcherbatova EV, Kuznetsov AA, Kostin PA, Golovin AV, **Korshun VA**, Brylev VA, Sapozhnikova KA, Kopylov AM, Pavlova GV, Pronin IN (2023). Radiochemical Synthesis of 4-[¹⁸F]FluorobenzylAzide and Its Conjugation with EGFR-Specific Aptamers. *Molecules* 28 (1), 294, [10.3390/molecules28010294](https://doi.org/10.3390/molecules28010294)
 4. Mariewskaya KA, Krasilnikov MS, **Korshun VA**, Ustinov AV, Alferova VA (2023). Near-Infrared Dyes: Towards Broad-Spectrum Antivirals. *Int J Mol Sci* 24 (1), , [10.3390/ijms24010188](https://doi.org/10.3390/ijms24010188)
 5. Chistov AA, Chumakov SP, Mikhnovets IE, Nikitin TD, Slesarchuk NA, Uvarova VI, Rubekina AA, Nikolaeva YV, Radchenko EV, Khvatov EV, Orlov AA, Frolenko VS, Sukhorukov MV, Kolpakova ES, Shustova EY, Galochkina AV, Streshnev PP, Osipov EM, Sapozhnikova KA, Moiseenko AV, Brylev VA, Proskurin GV, Dokukin YS, Kutyakov SV, Aralov AV, **Korshun VA**, Strelkov SV, Palyulin VA, Ishmukhametov AA, Shirshin EA, Osolodkin DI, Shtro AA, Kozlovskaya LI, Alferova VA, Ustinov AV (2023). 5-(Perylene-3-ylethynyl)uracil as an antiviral scaffold: Potent suppression of enveloped virus reproduction by 3-methyl derivatives in vitro. *Antiviral Res* 209, 105508, [10.1016/j.antiviral.2022.105508](https://doi.org/10.1016/j.antiviral.2022.105508)
 6. Sapozhnikova KA, Gulyak EL, Misyurin VA, Simonova MA, Ryabukhina EV, Alexeeva AV, Tikhonova NA, Lyzhko NA, Popova GP, Misyurin AV, Ustinov AV, **Korshun VA**, Alferova VA, Ryazantsev DY, Brylev VA (2023). Branched Linkers for Site-Specific Fluorescent Labeling of Antibodies. *Molecules* 28 (1), 425, [10.3390/molecules28010425](https://doi.org/10.3390/molecules28010425)
 7. Alferova VA, Mikhnovets IE, Chistov AA, **Korshun VA**, Tyurin AP, Ustinov AV (2022). Chapter Three - Perylene as a controversial antiviral scaffold. *Annu Rep Med Chem* 58, 93–156, [10.1016/bs.armc.2022.08.001](https://doi.org/10.1016/bs.armc.2022.08.001)
 8. Baranova AA, Zakalyukina YV, Ovcharenko AA, **Korshun VA**, Tyurin AP (2022). Antibiotics from Insect-Associated Actinobacteria. *Biology (Basel)* 11 (11), , [10.3390/biology11111676](https://doi.org/10.3390/biology11111676)
 9. Rubekina AA, Kamzeeva PN, Alferova VA, Shustova EY, Kolpakova ES, Yakovchuk EV, Karpova EV, Borodulina MO, Belyaev ES, Khrulev AA, **Korshun VA**, Shirshin EA, Kozlovskaya LI, Aralov AV (2022). Hydrophobic Rose Bengal Derivatives Exhibit Submicromolar-to-Subnanomolar Activity against Enveloped Viruses. *Biomolecules* 12 (11), , [10.3390/biom12111609](https://doi.org/10.3390/biom12111609)
 10. Alferova VA, Maviza TP, Biryukov MV, Zakalyukina YV, Polshakov VI, Sergiev PV, **Korshun VA**, Osterman IA (2022). Characterization of a novel natural tetracenomycin reveals crucial role of 4-hydroxy group in ribosome binding. *Biochimie* , , [10.1016/j.biochi.2022.10.016](https://doi.org/10.1016/j.biochi.2022.10.016)
 11. Veryutin DA, Doroshenko IA, Martynova EA, Sapozhnikova KA, Svirshchevskaya EV, Shibaeva AV, Markova AA, Chistov AA, Borisova NE, Shuvalov MV, **Korshun VA**, Alferova VA, Podrugina TA (2022). Probing tricarbocyanine dyes for targeted delivery of anthracyclines. *Biochimie* , , [10.1016/j.biochi.2022.09.015](https://doi.org/10.1016/j.biochi.2022.09.015)
 12. Shtro AA, Garshinina AV, Alferova VA, Kamzeeva PN, Volog VP, Kolpakova ES, Nikitin TD, Chistov AA, Belyaev ES, **Korshun VA**, Kozlovskaya LI, Aralov AV (2022). Cationic Perylene Antivirals with Aqueous Solubility for Studies In Vivo. *Pharmaceuticals (Basel)* 15 (10), , [10.3390/ph15101178](https://doi.org/10.3390/ph15101178)
 13. Sapozhnikova KA, Misyurin VA, Ryazantsev DY, Kokin EA, Finashutina YP, Alexeeva AV, Ivanov IA, Kocharovskaya MV, Tikhonova NA, Popova GP, Alferova VA, Ustinov AV, **Korshun VA**, Brylev VA (2021). Sensitive Immunofluorescent Detection of the PRAME Antigen Using a Practical Antibody Conjugation Approach. *Int J Mol Sci* 22 (23), 12845, [10.3390/ijms222312845](https://doi.org/10.3390/ijms222312845)
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32. Farzan VM, Kvach MV, Aparin IO, Kireev DE, Prikazchikova TA, Ustinov AV, Shmanai VV, Shipulin GA, **Korshun VA**, Zatsepin TS (2019). Novel homo Yin-Yang probes improve sensitivity in RT-qPCR detection of low copy HIV RNA. *Talanta* 194, 226–232, [10.1016/j.talanta.2018.10.043](https://doi.org/10.1016/j.talanta.2018.10.043)
 33. Kozlovskaya LI, Andrei G, Orlov AA, Khvatov EV, Koruchekov AA, Belyaev ES, Nikolaev EN, **Korshun VA**, Snoeck R, Osolodkin DI, Matyugina ES, Aralov AV (2019). Antiviral activity spectrum of phenoxazine nucleoside derivatives. *Antiviral Res* S0166 (18), 30717–4, [10.1016/j.antiviral.2019.01.010](https://doi.org/10.1016/j.antiviral.2019.01.010)
 34. Alferova VA, Shuvalov MV, Novikov RA, Trenin AS, Dezhenkova LG, Gladkikh EG, Lapchinskaya OA, Kulyaeva VV, Bychkova OP, Mirchink EP, Solyev PN, Kudryakova GK, **Korshun VA**, Tyurin AP (2019). Structure-activity studies of irumamycin type macrolides from *Streptomyces* sp. INA-Ac-5812. *Tetrahedron Lett* 60 (21), 1448–1451, [10.1016/j.tetlet.2019.04.051](https://doi.org/10.1016/j.tetlet.2019.04.051)
 35. Alferova VA, Shuvalov MV, Suchkova TA, Proskurin GV, Aparin IO, Rogozhin EA, Novikov RA, Solyev PN, Chistov AA, Ustinov AV, Tyurin AP, **Korshun VA** (2018). 4-Chloro-l-kynurenine as fluorescent amino acid in natural peptides. *Amino Acids* 50 (12), 1697–1705, [10.1007/s00726-018-2642-3](https://doi.org/10.1007/s00726-018-2642-3)
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