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Адрес

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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 РАН

Член Президиума ВАК (2016-2019)

Степени и звания

Доктор наук (Химические науки, 02.00.10 — Биоорганическая химия)

Гранты и проекты

2023– наст.вр.	Амфипатические фотосенсибилизаторы в качестве противовирусных препаратов широкого спектра действия
2021– 2023	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

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2. Alferova VA, Baranova AA, Belozero OA, Gulyak EL, Mikhaylov AA, Solovov YV, Zhitlov MY, Sinichich AA, Tyurin AP, Trusova EA, Beletsky AV, Mardanov AV, Ravin NV, Lapchinskaya OA, **Korshun VA**, Gabibov AG, Terekhov SS (2024). Molecular Decoration and Unconventional Double Bond Migration in Irumamycin Biosynthesis. *Antibiotics (Basel)* 13 (12), 1167, [10.3390/antibiotics13121167](https://doi.org/10.3390/antibiotics13121167)
3. Maryewski XA, Larkin DY, Samoilichenko YV, Gvozdev DA, **Korshun VA**, Ustinov AV (2024). Fluorescence of BODIPY dyes in gas phase at near-ambient conditions. *Dyes Pigm* 231, , [10.1016/j.dyepig.2024.112366](https://doi.org/10.1016/j.dyepig.2024.112366)
4. Brylev VA, Ryabukhina EV, Nazarova EV, Samoylenkova NS, Gulyak EL, Sapozhnikova KA, Dzarieva FM, Ustinov AV, Pronin IN, Usachev DY, Kopylov AM, Golovin AV, Pavlova GV, Ryazantsev DY, **Korshun VA** (2024). Towards Aptamer-Targeted Drug Delivery to Brain Tumors: The Synthesis of Ramified Conjugates of an EGFR-Specific Aptamer with MMAE on a Cathepsin B-Cleavable Linker. *Pharmaceutics* 16 (11), , [10.3390/pharmaceutics16111434](https://doi.org/10.3390/pharmaceutics16111434)
5. Baranova AA, Alferova VA, **Korshun VA**, Tyurin AP (2024). Imaging-based profiling for elucidation of antibacterial mechanisms of action. *J Appl Biochem* , , [10.1002/bab.2681](https://doi.org/10.1002/bab.2681)
6. Baranova AA, Zakalyukina YV, Tyurin AP, **Korshun VA**, Belozero OA, Biryukov MV, Moiseenko AV, Terekhov SS, Alferova VA (2024). Antimicrobial Metabolites from Pig Nasal Microbiota. *Russ. J. Bioorganic Chem.* 50 (2), 354–374, [10.1134/S1068162024020237](https://doi.org/10.1134/S1068162024020237)
7. Kravchenko TV, Paramonov AS, Kudzhaev AM, Efimova SS, Khorev AS, Kudryakova GK, Ivanov IA, Chistov AA, Baranova AA, Krasilnikov MS, Lapchinskaya OA, Tyurin AP, Ostroumova OS, Smirnov IV, Terekhov SS, Dontsova OA, Shenkarev ZO, Alferova VA, **Korshun VA** (2024). Gausemycin Antibiotic Family Acts via Ca²⁺-Dependent Membrane Targeting. *J. Nat. Prod.* 87 (4), 664–674, [10.1021/acs.jnatprod.3c00612](https://doi.org/10.1021/acs.jnatprod.3c00612)
8. Prokhorenko IA, Glushchenko DA, Gulyak EL, Mikhura IV, **Korshun VA**, Mukhametova LI, Eremin SA (2024). Synthesis of Steroid Tracers by an Oxime Ligation Method and Their Use in Fluorescent Polarisation Immunoassay. *Russ. J. Bioorganic Chem.* 50 (1), 116–127, [10.1134/S1068162024010060](https://doi.org/10.1134/S1068162024010060)
9. Gulyak EL, Alferova VA, **Korshun VA**, Sapozhnikova KA (2023). Introduction of Carbonyl Groups into Antibodies. *Molecules* 28 (23), 7890, [10.3390/molecules28237890](https://doi.org/10.3390/molecules28237890)
10. Mikhnovets IE, Holoubek J, Panina IS, Kotouček J, Gvozdev DA, Chumakov SP, Krasilnikov MS, Zhitlov MY, Gulyak EL, Chistov AA, Nikitin TD, **Korshun VA**, Efremov RG, Alferova VA, Růžek D, Eyer L, Ustinov AV (2023). Alkyl Derivatives of Perylene Photosensitizing Antivirals: Towards Understanding the Influence of Lipophilicity. *Int J Mol Sci* 24 (22), 16483, [10.3390/ijms242216483](https://doi.org/10.3390/ijms242216483)
11. Mariewskaya KA, Gvozdev DA, Chistov AA, Straková P, Huvarová I, Svoboda P, Kotouček J, Ivanov NM, Krasilnikov MS, Zhitlov MY, Pak AM, Mikhnovets IE, Nikitin TD, **Korshun VA**, Alferova VA, Mašek J, Růžek D, Eyer L, Ustinov AV (2023). Membrane-Targeting Peryleneethynylphenols Inactivate Medically Important Coronaviruses via the Singlet Oxygen Photogeneration Mechanism. *Molecules* 28 (17), 6278, [10.3390/molecules28176278](https://doi.org/10.3390/molecules28176278)
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28. 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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33. Brylev VA, Lysenko IL, Kokin EA, Martynenko-Makaev YV, Ryazantsev DY, Shmanai VV, **Korshun VA** (2021). Molecular Beacon DNA Probes with Fluorescein Bifluorophore. *Russ. J. Bioorganic Chem.* 47 (3), 734–740, [10.1134/S1068162021030055](https://doi.org/10.1134/S1068162021030055)
34. Kozlovskaya LI, Volok VP, Shtro AA, Nikolaeva YV, Chistov AA, Matyugina ES, Belyaev ES, Jegorov AV, Snoeck R, **Korshun VA**, Andrei G, Osolodkin DI, Ishmukhametov AA, Aralov AV (2021). Phenoxazine nucleoside derivatives with a multiple activity against RNA and DNA viruses. *Eur J Med Chem* 220, 113467, [10.1016/j.ejmech.2021.113467](https://doi.org/10.1016/j.ejmech.2021.113467)
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