

## Резюме: Коршун Владимир Аркадьевич

### Адрес

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

### Контакты

[v-korshun@yandex.ru](mailto:v-korshun@yandex.ru)  
+7(499)724-67-15  
<https://www.ibch.ru/ru/users/208>

### 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)
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### Гранты и проекты

2023– наст.вр.	<a href="#">Амфипатические фотосенсибилизаторы в качестве противовирусных препаратов широкого спектра действия</a>
2021– 2023	<a href="#">Разработка средств профилактики и лечения COVID-19 и сопутствующих инфекционных заболеваний с использованием генетических технологий</a>
2020– 2022	<a href="#">Конъюгаты антибиотиков с антителами: рациональный дизайн для улучшения фармакологических свойств</a>
2020– 2022	<a href="#">Противовирусные соединения с широким спектром активности для терапии респираторных вирусных заболеваний</a>
2020– 2022	<a href="#">Полифункциональные линкеры для модификации биологически активных соединений</a>
2015– 2019	<a href="#">Амфипатические нуклеозиды и их конъюгаты в качестве противовирусных препаратов</a>

## Публикации

1. Gulyak EL, Brylev VA, Zhitlov MY, Komarova OA, Ustinov AV, Sapozhnikova KA, Alferova VA, **Korshun VA**, Gvozdev DA (2024). Indocarbocyanine–Indodicarbocyanine (sCy3–sCy5) Absorptive Interactions in Conjugates and DNA Duplexes. *Molecules* 30 (1), 57, [10.3390/molecules30010057](https://doi.org/10.3390/molecules30010057)
2. Gulyak EL, Komarova OA, Prokopenko YA, Faizullina EA, Malabuik DM, Ibragimova AR, Mokrushina YA, Serova OV, Popova GP, Zhitlov MY, Nikitin TD, Brylev VA, Ustinov AV, Alferova VA, **Korshun VA**, Smirnov IV, Terekhov SS, Sapozhnikova KA (2024). Branched Linkers for Homogeneous Antibody-Drug Conjugates: How Long Is Long Enough? *Int J Mol Sci* 25 (24), 13356, [10.3390/ijms252413356](https://doi.org/10.3390/ijms252413356)
3. Alferova VA, Baranova AA, Belozerova OA, Gulyak EL, Mikhaylov AA, Solovlev 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)
4. Maryewski XA, Larkin DY, Samoilenko 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)
5. 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)
6. 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)
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9. 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)
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39. Baranova AA, Chistov AA, Tyurin AP, Prokhorenko IA, **Korshun VA**, Biryukov MV, Alferova VA, Zakalyukina YV (2020). Chemical ecology of streptomyces albidoflavus strain a10 associated with carpenter ant camponotus vagus. *Microorganisms* 8 (12), 1948, [10.3390/microorganisms8121948](https://doi.org/10.3390/microorganisms8121948)
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