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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

2005–2008	Россия, Москва	Институт биоорганической химии им. акад. М.М. Шемякина и Ю.А. Овчинникова РАН	канд. хим. наук
2007–2007	Россия, Пущино	Школа по конфокальной и электронной микроскопии, организованная фирмой Leica	сертификат о прохождении практики
2000–2005	Россия, Москва	Московский государственный университет им. М.В. Ломоносова, биологический факультет, кафедра биоорганической химии	диплом с отличием (специалист)

Работа в ИБХ

2016–наст.вр.	Старший научный сотрудник
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Членство в советах и комиссиях ИБХ

Профсоюзный комитет

Научные интересы

геронтология, теория эволюции, теоретическая биология, нейрoхимия, биология липидов, онкология

Степени и звания

Кандидат наук (Химические науки, 03.00.04 — Биохимия)

Гранты и проекты

2023–наст.вр.	Взаимодействие противоположно направленных сигналов эндогенных биоактивных липидов лизофосфатидилинозита, анандамида и 2-арахидоноилглицерина в процессах регуляции пролиферации и смерти клеток рака молочной железы
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- Akimov MG**, Dudina PV, Vyunova TV, Kalueff AV, Gretskaya NM, Bezuglov VV (2024). Role of key endocannabinoids and their receptors in breast cancer. *Reviews on Clinical Pharmacology and Drug Therapy* 22 (1), 41–51, [10.17816/RCF623144](#)
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4. **Akimov MG**, Gretskaya NM, Dudina PV, Sherstyanykh GD, Zinchenko GN, Serova OV, Degtyaryova KO, Deyev IE, Bezuglov VV (2023). The Mechanisms of GPR55 Receptor Functional Selectivity during Apoptosis and Proliferation Regulation in Cancer Cells. *Int J Mol Sci* 24 (6), , [10.3390/ijms24065524](https://doi.org/10.3390/ijms24065524)
 5. Kovshova T, Mantrov S, Boiko S, Malinovskaya J, Merkulova M, Osipova N, Moiseeva N, **Akimov M**, Dudina P, Senchikhin I, Ermolenko Y, Gelperina S (2023). Co-delivery of Paclitaxel and Etoposide Prodrug by Human Serum Albumin and PLGA nanoparticles: synergistic cytotoxicity in brain tumor cells. *J Microencapsul* 40 (4), 1–48, [10.1080/02652048.2023.2188943](https://doi.org/10.1080/02652048.2023.2188943)
 6. Kochetkov KA, Gorunova ON, Bystrova NA, Dudina PV, **Akimov MG** (2022). Synthesis and physiological activity of new imidazolidin-2-one bis-heterocyclic derivatives. *Russ Chem Bull* 71 (11), 2395–2403, [10.1007/s11172-022-3667-z](https://doi.org/10.1007/s11172-022-3667-z)
 7. Oshchepkov M, Kovalenko L, Kalistratova A, Ivanova M, Sherstyanykh G, Dudina P, Antonov A, Cherkasova A, **Akimov M** (2022). Anti-Proliferative and Cytoprotective Activity of Aryl Carbamate and Aryl Urea Derivatives with Alkyl Groups and Chlorine as Substituents. *Molecules* 27 (11), , [10.3390/molecules27113616](https://doi.org/10.3390/molecules27113616)
 8. Gamisonia AM, Yushina MN, Fedorovagogolina IA, **Akimov MG**, Eldarov CM, Pavlovich SV, Bezuglov VV, Gretskaya NM, Sukhikh GT, Bobrov MY (2021). N-Acyl Dopamines Induce Apoptosis in Endometrial Stromal Cells from Patients with Endometriosis. *Int J Mol Sci* 22 (19), , [10.3390/ijms221910648](https://doi.org/10.3390/ijms221910648)
 9. **Akimov MG**, Fomina-Ageeva EV, Dudina PV, Andreeva LA, Myasoyedov NF, Bezuglov VV (2021). ACTH(6–9)PGP Peptide Protects SH-SY5Y Cells from H₂O₂, tert-Butyl Hydroperoxide, and Cyanide Cytotoxicity via Stimulation of Proliferation and Induction of Prosurvival-Related Genes. *Molecules* 26 (7), , [10.3390/molecules26071878](https://doi.org/10.3390/molecules26071878)
 10. **Akimov MG**, Gamisonia AM, Dudina PV, Gretskaya NM, Gaydaryova AA, Kuznetsov AS, Zinchenko GN, Bezuglov VV (2021). GPR55 Receptor Activation by the N-Acyl Dopamine Family Lipids Induces Apoptosis in Cancer Cells via the Nitric Oxide Synthase (nNOS) Over-Stimulation. *Int J Mol Sci* 22 (2), 1–24, [10.3390/ijms22020622](https://doi.org/10.3390/ijms22020622)
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 12. Shestakova KM, Moskaleva NE, Mesonzhnik NV, Kukharensky AV, Serkov IV, Lyubimov II, Fomina-Ageeva EV, Bezuglov VV, **Akimov MG**, Appolonova SA (2020). In Vivo Targeted Metabolomic Profiling of Prostanit, a Novel Anti-PAD NO-Donating Alprostadil-Based Drug. *Molecules* 25 (24), , [10.3390/molecules25245896](https://doi.org/10.3390/molecules25245896)
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 14. Gretskaya NM, Gamisonia AM, Dudina PV, Zakharov SS, Sherstyanykh G, Akasov R, Burov S, Serkov IV, **Akimov MG**, Bezuglov VV, Markvicheva E (2020). Novel bexarotene derivatives: Synthesis and cytotoxicity evaluation for glioma cells in 2D and 3D in vitro models. *Eur J Pharmacol* 883, 173346, [10.1016/j.ejphar.2020.173346](https://doi.org/10.1016/j.ejphar.2020.173346)
 15. **Akimov MG**, Dudina PV, Fomina-Ageeva EV, Gretskaya NM, Bosaya AA, Rudakova EV, Makhaeva GF, Kagarlitsky GO, Eremin SA, Tsetlin VI, Bezuglov VV (2020). Neuroprotective and Antioxidant Activity of Arachidonoyl Choline, Its Bis-Quaternized Analogues and Other Acylcholines. *Dokl Biochem Biophys* 491 (1), 93–97, [10.1134/S1607672920020027](https://doi.org/10.1134/S1607672920020027)
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45. Bezuglov VV, Gretskaia NM, Bobrov MY, **Akimov MG**, Fomina-Ageeva EV, Zinchenko GN, Bairamashvili DI, Miroshnikov AI (2009). Modification of recombinant proteins by covalent polysialation illustrated with the example of human insulin. *Russ. J. Bioorganic Chem.* 35 (2), 254–257, [10.1134/S1068162009020150](https://doi.org/10.1134/S1068162009020150)
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