

Резюме: Акимов Михаил Геннадьевич

Адрес

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

Контакты

akimovmike@yandex.ru
<https://www.ibch.ru/users/751>

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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Публикации

1. **Akimov MG**, Gretskaya NM, Gorbacheva EI, Khadour N, Chernavskaya VS, Sherstyanykh GD, Kovaleko TF, Fomina-Ageeva EV, Bezuglov VV (2024). The Interaction of the Endocannabinoid Anandamide and Paracannabinoid Lysophosphatidylinositol during Cell Death Induction in Human Breast Cancer Cells. *Int J Mol Sci* 25 (4), 2271, [10.3390/ijms25042271](#)
2. Gretskaya N, **Akimov M**, Andreev D, Zalygin A, Belitskaya E, Zinchenko G, Fomina-Ageeva E, Mikhalyov I, Vodovozova E, Bezuglov V (2023). Multicomponent Lipid Nanoparticles for RNA Transfection. *Pharmaceutics* 15 (4), , [10.3390/pharmaceutics15041289](#)
3. **Akimov MG**, Gretskaya NM, Dudina PV, Sherstyanykh GD, Zinchenko GN, Serova OV, Degtyaryova KO,

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4. 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)
 5. 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)
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 7. 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)
 8. **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)
 9. **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. **Akimov MG**, Dudina PV, Gamisonia AM, Gretskaya NM, Zinchenko GN, Mandal CC, Bezuglov VV (2020). The Influence of the Cholesterol Level in Cells on Endovanilloid Cytotoxicity. *Dokl Biochem Biophys* 493 (1), 167–170, [10.1134/S1607672920040018](https://doi.org/10.1134/S1607672920040018)
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39. **Акимов МГ** (2009). Мембраны и рак. . .
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