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Адрес

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Контакты

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Образование

2024– 2024	Россия, Москва	АНО ДПО "Образовательный центр "Гарант"	Управление государственными и муниципальными закупками
2017– 2020	Россия, Москва	МГУ им. М.В. Ломоносова, юридический факультет	
2006– 2011	Россия, Москва	МГУ им. М.В. Ломоносова, биологический факультет, кафедра биоорганической химии	

Преподавание

2023–наст.вр.	Москва	Сеченовский университет
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Работа в ИБХ

2022–наст.вр.	Старший научный сотрудник
2017–2022	Научный сотрудник

Членство в советах и комиссиях ИБХ

Методическая комиссия

Владение языками

английский

Награды

2016	Премия Правительства Москвы молодым ученым	За разработку методов биотехнологического получения и анализа механизмов действия фармакологически перспективных лигандов нейрорецепторов человека
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Научные интересы

аллостерические взаимодействия, нейрохимия, рациональный драг-дизайн, криминалистическая техника, интеллектуальная собственность, эмпирические методы в праве

Членство в сообществах

Европейское нейрохимическое общество (ESN) с 2015 г.

Международное общество токсикологии (IST) с 2021 г.

Степени и звания

Кандидат наук (Биологические науки, 03.00.03 — Молекулярная биология)

Гранты и проекты

- 2016–2018 [Исследование молекулярного механизма ингибирования мышечного никотинового рецептора макалувамином G](#)
- 2021–2024 [Исследование роли цис-петельных рецепторов во взаимодействиях клеток глиобластомы с их микроокружением](#)
- 2018–2021 [Клинико-экспериментальное исследование на овцах эффективности миорелаксантного полипептида аземиопсина и его аналогов](#)

Публикации

- Severyukhina MS, Ojomoko LO, Shelukhina IV, **Kudryavtsev DS**, Kryukova EV, Epifanova LA, Denisova DA, Averin AS, Ismailova AM, Shaykhutdinova ER, Dyachenko IA, Egorova NS, Murashev AN, Tsetlin VI, Utkin YN (2024). Non-conventional toxin WTX and its disulfide-fixed synthetic fragments: Interaction with nicotinic acetylcholine receptors and reduction of blood pressure. *Int J Biol Macromol* 288, 138626, [10.1016/j.ijbiomac.2024.138626](#)
- Kudryavtsev DS**, Mozhaeva VA, Ivanov IA, Siniavin AE, Kalmykov AS, Gritchenko AS, Khlebtsov BN, Wang SP, Kang B, Tsetlin VI, Balykin VI, Melentiev PN (2024). Optical detection of infectious SARS-CoV-2 virions by counting spikes. *Nanoscale* 16 (26), 12424–12430, [10.1039/d4nr01236d](#)
- Luo A, He J, Yu J, Wu Y, Harvey PJ, Kasheverov IE, **Kudryavtsev DS**, McIntosh JM, Tsetlin VI, Craik DJ, Zhangsun D, Luo S (2024). Aspartic acid mutagenesis of α O-Conotoxin GeXIVA isomers reveals arginine residues crucial for inhibition of the $\alpha 9\alpha 10$ nicotinic acetylcholine receptor. *Int J Biol Macromol* 271 (Pt 1), 132472, [10.1016/j.ijbiomac.2024.132472](#)
- Mozhaeva VA, Starkov VG, **Kudryavtsev DS**, Prokhorov KA, Garnov SV, Utkin YN (2024). Analysis of intra-specific variations in the venom of individual snakes based on Raman spectroscopy. *Spectrochim Acta A* 314, 124239, [10.1016/j.saa.2024.124239](#)
- Son L, Kost V, Maiorov V, Sukhov D, Arkhangelskaya P, Ivanov I, **Kudryavtsev D**, Siniavin A, Utkin Y, Kasheverov I (2024). Efficient Expression in *Leishmania tarentolae* (LEXSY) of the Receptor-Binding Domain of the SARS-CoV-2 S-Protein and the Acetylcholine-Binding Protein from *Lymnaea stagnalis*. *Molecules* 29 (5), , [10.3390/molecules29050943](#)
- Gondarenko E, Mazur D, Masliakova M, Ryabukha Y, Kasheverov I, Utkin Y, Tsetlin V, Shahparonov M, **Kudryavtsev D**, Antipova N (2024). Subtype-Selective Peptide and Protein Neurotoxic Inhibitors of Nicotinic Acetylcholine Receptors Enhance Proliferation of Patient-Derived Glioblastoma Cell Lines. *Toxins (Basel)* 16 (2), 80, [10.3390/toxins16020080](#)
- Kost V, Sukhov D, Ivanov I, Kasheverov I, Ojomoko L, Shelukhina I, Mozhaeva V, **Kudryavtsev D**, Feofanov A, Ignatova A, Utkin Y, Tsetlin V (2023). Comparison of Conformations and Interactions with Nicotinic Acetylcholine Receptors for E. coli-Produced and Synthetic Three-Finger Protein SLURP-1. *Int J Mol Sci* 24 (23), 16950, [10.3390/ijms242316950](#)
- Kalinovskii AP, Pushkarev AP, Mikhailenko AD, **Kudryavtsev DS**, Belozerova OA, Shmygarev VI, Yatskin ON, Korolkova YV, Kozlov SA, Osmakov DI, Popov A, Andreev YA (2023). Dual Modulator of ASIC Channels and GABAA Receptors from Thyme Alters Fear-Related Hippocampal Activity. *Int J Mol Sci* 24 (17), , [10.3390/ijms241713148](#)
- Mozhaeva V, Starkov V, **Kudryavtsev D**, Prokhorov K, Garnov S, Utkin Y (2023). Differentiation of snake venom using Raman spectroscopic analysis. *J Mater Chem B Mater Biol Med* 11 (27), 6435–6442, [10.1039/d3tb00829k](#)
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13. Shaykhutdinova ER, Kondrakhina AE, Ivanov IA, **Kudryavtsev DS**, Dyachenko IA, Murashev AN, Tsetlin VI, Utkin YN (2022). Synthetic Analogs of 6-Bromohypaphorine, a Natural Agonist of Nicotinic Acetylcholine Receptors, Reduce Cardiac Reperfusion Injury in a Rat Model of Myocardial Ischemia. *Dokl Biochem Biophys* 503 (1), 47–51, [10.1134/S1607672922020132](https://doi.org/10.1134/S1607672922020132)
14. Kasheverov I, **Kudryavtsev D**, Shelukhina I, Nikolaev G, Utkin Y, Tsetlin V (2022). Marine Origin Ligands of Nicotinic Receptors: Low Molecular Compounds, Peptides and Proteins for Fundamental Research and Practical Applications. *Biomolecules* 12 (2), 189, [10.3390/biom12020189](https://doi.org/10.3390/biom12020189)
15. Tsetlin V, Haufe Y, Safronova V, Serov D, Shadamarshan P, Son L, Shelukhina I, **Kudryavtsev D**, Kryukova E, Kasheverov I, Nicke A, Utkin Y (2021). Interaction of $\alpha 9\alpha 10$ Nicotinic Receptors With Peptides and Proteins From Animal Venoms. *Front Cell Neurosci* 15, 765541, [10.3389/fncel.2021.765541](https://doi.org/10.3389/fncel.2021.765541)
16. Kasheverov IE, Kuzmenkov AI, **Kudryavtsev DS**, Chudetskiy IS, Shelukhina IV, Barykin EP, Иванов Ivanov IA, Siniavin AE, Ziganshin RH, Baranov MS, Tsetlin VI, Vassilevski AA, Utkin YN (2021). Snake Toxins Labeled by Green Fluorescent Protein or Its Synthetic Chromophore are New Probes for Nicotinic acetylcholine Receptors. *Front Mol Biosci* 8 (8), 753283, [10.3389/fmolb.2021.753283](https://doi.org/10.3389/fmolb.2021.753283)
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27. Siniavin AE, Streltsova MA, **Kudryavtsev DS**, Shelukhina IV, Utkin YuN, Tsetlin VI (2020). Activation of $\alpha 7$ Nicotinic Acetylcholine Receptor Upregulates HLA-DR and Macrophage Receptors: Potential Role in Adaptive Immunity and in Preventing Immunosuppression. *Biomolecules* 10 (4), 507, [10.3390/biom10040507](https://doi.org/10.3390/biom10040507)
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29. Akimov MG, **Kudryavtsev DS**, Kryukova EV, Fomina-Ageeva EV, Zakharov SS, Gretskeya NM, Zinchenko GN, Serkov IV, Makhaeva GF, Boltneva NP, Kovaleva NV, Serebryakova OG, Lushchekina SV, Palikov VA, Palikova Y, Dyachenko IA, Kasheverov IE, Tsetlin VI, Bezuglov VV (2020). Arachidonoylcholine and Other Unsaturated Long-Chain Acylcholines Are Endogenous Modulators of the Acetylcholine Signaling System. *Biomolecules* 10 (2), , [10.3390/biom10020283](https://doi.org/10.3390/biom10020283)
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31. **(конференция)** Siniavin AE, Streltsova MA, **Kudryavtsev DS**, Tsetlin VI (2019). $\alpha 7$ nicotine acetylcholine receptor (nAChR) agonists strongly activate classical macrophages and increase the expression of HLA-DR molecules. *Allergy* 74 (S106), 138, [10.1111/all.13959](https://doi.org/10.1111/all.13959)
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33. Kryukova EV, Egorova NS, **Kudryavtsev DS**, Lebedev DS, Spirova EN, Zhmak MN, Garifulina AI, Kasheverov IE, Utkin YN, Tsetlin VI (2019). From Synthetic Fragments of Endogenous Three-Finger Proteins to Potential Drugs. *Front Pharmacol* 10, 748, [10.3389/fphar.2019.00748](https://doi.org/10.3389/fphar.2019.00748)
34. **(конференция)** Melentiev P, Son L, **Kudryavtsev D**, Afanasiev A, Kasheverov I, Tsetlin V, Balykin V (2019). Ultra-fast single troponin-T molecule sensing. *Optics InfoBase Conference Papers* , , [10.1109/CLEOE-EQEC.2019.8872744](https://doi.org/10.1109/CLEOE-EQEC.2019.8872744)
35. Utkin Y, Vassilevski A, **Kudryavtsev D**, Undheim EAB (2019). Editorial: Animal Toxins as Comprehensive Pharmacological Tools to Identify Diverse Ion Channels. *Front Pharmacol* 10 (APR), 423, [10.3389/fphar.2019.00423](https://doi.org/10.3389/fphar.2019.00423)
36. **(конференция)** Melentiev P, Son L, **Kudryavtsev D**, Afanasiev A, Kasheverov I, Tsetlin V, Balykin V (2019). Ultra-fast single troponin-T molecule sensing. *Optics InfoBase Conference Papers Part F140-CLEO_Europe 2019*, .
37. Spirova EN, Ivanov IA, Kasheverov IE, **Kudryavtsev DS**, Shelukhina IV, Garifulina AI, Son LV, Lummis SCR, Malca-Garcia GR, Bussmann RW, Hennig L, Giannis A, Tsetlin VI (2019). Curare alkaloids from Matis Dart Poison: Comparison with d-tubocurarine in interactions with nicotinic, 5-HT₃ serotonin and GABA_A receptors. *PLoS One* 14 (1), e0210182, [10.1371/journal.pone.0210182](https://doi.org/10.1371/journal.pone.0210182)
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39. Yu J, Zhu X, Zhang L, **Kudryavtsev D**, Kasheverov I, Lei Y, Zhangsun D, Tsetlin V, Luo S (2018). Species specificity of rat and human $\alpha 7$ nicotinic acetylcholine receptors towards different classes of peptide and protein antagonists. *Neuropharmacology* 139, 226–237, [10.1016/j.neuropharm.2018.07.019](https://doi.org/10.1016/j.neuropharm.2018.07.019)
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41. Durek T, Shelukhina IV, Tae HS, Thongyoo P, Spirova EN, **Kudryavtsev DS**, Kasheverov IE, Faure G, Corringier PJ, Craik DJ, Adams DJ, Tsetlin VI (2018). Interaction of Synthetic Human SLURP-1 with the Nicotinic Acetylcholine Receptors. *Sci Rep* 7 (1), 16606, [10.1038/s41598-017-16809-0](https://doi.org/10.1038/s41598-017-16809-0)
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 44. Vulfius CA, Spirova EN, Serebryakova MV, Shelukhina IV, **Kudryavtsev DS**, Kryukova EV, Starkov VG, Kopylova NV, Zhmak MN, Ivanov IA, Kudryashova KS, Andreeva TV, Tsetlin VI, Utkin YN (2016). Peptides from puff adder *Bitis arietans* venom, novel inhibitors of nicotinic acetylcholine receptors. *Toxicon* 121, 70–76, [10.1016/j.toxicon.2016.08.020](https://doi.org/10.1016/j.toxicon.2016.08.020)
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