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Адрес

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Образование

2008–2008	Россия, Москва	Московский государственный университет им. М.В. Ломоносова, кафедра биоинженерии биологического факультета	Защита кандидатской диссертации по биологическим наукам (специальность 03.00.02 Биофизика)
2005–2008	Россия, Долгопрудный	Московский Физико-Технический Институт (Государственный Университет) (МФТИ)	Аспирант.
2002–2005	Россия, Москва	Институт Биоорганической химии имени академиков М.М. Шемякина и Ю.А. Овчинникова РАН, Учебно Научный Центр.	
1999–2005	Россия, Долгопрудный	Московский Физико-Технический Институт (Государственный Университет) (МФТИ)	Бакалавр. Магистр.

Работа

2020–наст.вр.	Россия, Долгопрудный	МФТИ	доцент
2002–наст.вр.	Россия, Москва	ИБХ РАН	инж.-иссл. / мнс / нс /снс
2008–2018	Россия, Москва	МГУ им М.В. Ломоносова	научный сотрудник

Работа в ИБХ

2018–наст.вр.	Старший научный сотрудник
2026–2026	Доцент
2008–2018	Научный сотрудник
2002–2008	Младший научный сотрудник

Владение языками

русский, английский

Научные интересы

Структурная биология, молекулярная биология, биофизика, биохимия, эволюция (биология), эволюция (физика).

Членство в сообществах

FEBS

Степени и звания

2009	Кандидат наук (Биологические науки, 03.00.02 — Биофизика)

Ссылки и контакты

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Гранты и проекты

2025–наст.вр.	Исследование конформационной динамики при распознавании лигандов, активации и передаче сигнала хемокиновыми рецепторами
2025–наст.вр.	Роль примембранных регионов в функционировании нейротрофиновых рецепторов
2022–2024	Структурные основы функционирования нейротрофиновых рецепторов
2020–2022	Исследование структурных основ взаимодействия мембранных белков P75 и SORCS2 в процессе внутриклеточной сигнализации
2018–2023	Разработка новых молекулярных инструментов ферментативного и флуорогенного флуоресцентного мечения для прижизненной визуализации в живых системах
2017–2018	Изучение процессов связывания с лигандом и структурной динамики необычного хемокинового рецептора D6R человека с применением спектроскопии ЯМР
2019–2022	Структурная биология мембранных белков для создания новых лекарственных и диагностических средств
2020–2022	Изучение роли внеклеточного примембранного региона и трансмембранного домена рецептора нейротрофинов TrkA в процессе передачи сигнала через мембрану
2020–2021	Исследование структурных основ внутриклеточной сигнализации Толл-подобных рецепторов методами спектроскопии ЯМР в растворе
2014–2018	Структурные основы молекулярных механизмов передачи сигнала интегральными мембранными белками I типа

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3. Lushpa VA, Goncharuk MV, Arseniev AS, Mineev KS, **Goncharuk SA** (2025). Effect of Intrinsically Disordered Regions on the Expression of TIR Domains of the Toll-like Receptor in the Soluble Form. *Russ. J. Bioorganic Chem.* 51 (3), 1092–1098, 10.1134/S1068162024606670
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5. Lushpa VA, Lin C, Talyzina IA, Goncharuk MV, Bocharov EV, Arseniev AS, Wang X, **Goncharuk SA**, Mineev KS (2025). The intracellular domain of TLR2 is capable of high-affinity Zn binding: possible outcomes for the receptor activation. *FEBS Lett* 599 (13), 1864–1879, 10.1002/1873-3468.70026
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9. Motov VV, Kot EF, Kislova SO, Bocharov EV, Arseniev AS, Boldyrev IA, **Goncharuk SA**, Mineev KS (2024). On the Properties of Styrene–Maleic Acid Copolymer–Lipid Nanoparticles: A Solution NMR Perspective. *Polymers (Basel)* 16 (21), 3009, 10.3390/polym16213009
10. Lushpa VA, Goncharuk MV, Talyzina IA, Arseniev AS, Bocharov EV, Mineev KS, **Goncharuk SA** (2024). TIR domains of TLR family-from the cell culture to the protein sample for structural studies. *PLoS One* 19 (7), e0304997, 10.1371/journal.pone.0304997
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mechanism. *Sci Rep* 7 (1), 6864, 10.1038/s41598-017-07250-4
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