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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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2. Gilvanov AR, Molchanova MV, Krasnova SA, Eshtukov-Shcheglov AV, Mikhaylov AA, **Goncharuk SA**, Goncharuk MV, Sidorenko SV, Maksimov EG, Baranov MS, Bogdanova YA (2025). Bathochromic Shift via C=O to C=S Substitution: A Far-Red Fluorogen for Multiplexed FLIM with FAST Fluorogen-Activating Protein. *Int J Mol Sci* 27 (1), 23, [10.3390/ijms27010023](https://doi.org/10.3390/ijms27010023)
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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](https://doi.org/10.1371/journal.pone.0304997)
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27. Gorokhovatsky AY, Chepurnykh TV, Shcheglov AS, Mokrushina YA, Baranova MN, **Goncharuk SA**, Purtov KV, Petushkov VN, Rodionova NS, Yampolsky IV (2021). The Recombinant Luciferase of the Fungus *Neonothopanus nambi*: Obtaining and Properties. *Dokl Biochem Biophys* 496 (1), 52–55, [10.1134/S1607672921010051](https://doi.org/10.1134/S1607672921010051)
28. Goncharuk MV, Lushpa VA, **Goncharuk SA**, Arseniev AS, Mineev KS (2021). Sampling the cultivation parameter space for the bacterial production of TLR1 intracellular domain reveals the multiple optima. *Protein Expr Purif* 181, 105832, [10.1016/j.pep.2021.105832](https://doi.org/10.1016/j.pep.2021.105832)
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- mechanism. *Sci Rep* 7 (1), 6864, [10.1038/s41598-017-07250-4](https://doi.org/10.1038/s41598-017-07250-4)
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