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Образование

2024– 2024	Москва	ФГБУН ИОНХ РАН	Программа ДПО "Требования стандарта ГОСТ ISO/IEC 17025-2019 и их реализация в испытательной лаборатории"
2024– 2024	Москва	Эконом. факультет МГУ	Программа ДПО "Разработка и реализации высокотехнологичных проектов"
1995– 1995	Германия	GBF, Брауншвейг	Международный учебный курс по биотехнологии: "Новые методы и технологии в биотехнологии"

Преподавание

2020– наст.вр.	Россия	Пущинский филиал Российского биотехнологического университета (РОСБИОТЕХ)	Создание биофармацевтических препаратов
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Работа в ИБХ

2020–наст.вр.	Главный научный сотрудник
2018–2021	Старший научный сотрудник

Членство в сообществах

Член Общероссийской общественной организации «Общество биотехнологов России им. Ю.А. Овчинникова»

Член Российского научного общества фармакологов

Степени и звания

2019	Доктор наук (Химические науки, 03.00.23 — Биотехнология)
2013	Кандидат наук (Биологические науки, 03.01.04)

Гранты и проекты

2023– наст.вр.	Ферментативные системы для синтеза фармацевтически значимых модифицированных нуклеозидов и нуклеотидов как объект для рациональной оптимизации
2021– 2023	Моно- и полиферментные системы как основной инструмент в создании новых фармацевтически значимых модифицированных нуклеозидов и нуклеотидов

Публикации

1. Bychek IA, Zenchenko AA, Kostromina MA, Khisamov MM, Solyev PN, **Esipov RS**, Mikhailov SN, Varizhuk IV (2024). Bacterial Purine Nucleoside Phosphorylases from Mesophilic and Thermophilic Sources: Characterization of Their Interaction with Natural Nucleosides and Modified Arabinofuranoside Analogues. *Biomolecules* 14 (9), 1069, [10.3390/biom14091069](https://doi.org/10.3390/biom14091069)
2. Eletskaia BZ, Mironov AF, Fateev IV, Berzina MY, Antonov KV, Smirnova OS, Zatsepina AB, Arnautova AO, Abramchik YA, Paramonov AS, Kayushin AL, Khandazhinskaya AL, Matyugina ES, Kochetkov SN, Mirosnikov AI, Mikhailopulo IA, **Esipov RS**, Konstantinova ID (2024). Enzymatic Transglycosylation Features in Synthesis of 8-Aza-7-Deazapurine Fleximer Nucleosides by Recombinant *E. coli* PNP: Synthesis and Structure Determination of Minor Products. *Biomolecules* 14 (7), 798, [10.3390/biom14070798](https://doi.org/10.3390/biom14070798)
3. Fateev IV, Sasmakov SA, Abdurakhmanov JM, Ziyaev AA, Khasanov SS, Eshboev FB, Ashirov ON, Frolova VD, Eletskaia BZ, Smirnova OS, Berzina MY, Arnautova AO, Abramchik YA, Kostromina MA, Kayushin AL, Antonov KV, Paramonov AS, Andronova VL, Galegov GA, **Esipov RS**, Azimova SS, Mirosnikov AI, Konstantinova ID (2024). Synthesis of Substituted 1,2,4-Triazole-3-Thione Nucleosides Using *E. coli* Purine Nucleoside Phosphorylase. *Biomolecules* 14 (7), 745, [10.3390/biom14070745](https://doi.org/10.3390/biom14070745)
4. Kostromina MA, Tukhovskaya EA, Shaykhutdinova ER, Palikova YA, Palikov VA, Slashcheva GA, Ismailova AM, Kravchenko IN, Dyachenko IA, Zayats EA, Abramchik YA, Murashev AN, **Esipov RS** (2024). Unified Methodology for the Primary Preclinical In Vivo Screening of New Anticoagulant Pharmaceutical Agents from Hematophagous Organisms. *Int J Mol Sci* 25 (7), , [10.3390/ijms25073986](https://doi.org/10.3390/ijms25073986)
5. Zayats EA, Fateev IV, Abramchik YA, Kostromina MA, Timofeev VI, Yurovskaya DO, Karanov AA, Konstantinova ID, Golovin AV, **Esipov RS** (2024). Designing an Efficient Biocatalyst for the Phosphoribosylation of Antiviral Pyrazine-2-carboxamide Derivatives. *ACS Catal* 14 (5), 3687–3699, [10.1021/acscatal.3c05059](https://doi.org/10.1021/acscatal.3c05059)
6. Akopov SB, Snezhkov EV, Konovalova MV, Kostromina MA, **Esipov RS**, Svirshchevskaya EV (2024). Pan02 pancreatic tumor models carrying the GFP marker in mice. *Medical Immunology (Russia)* 26 (5), 1099–1106, [10.15789/1563-0625-PPT-16858](https://doi.org/10.15789/1563-0625-PPT-16858)
7. Abramchik YA, Zayats EA, Timofeev VI, Shevtsov MB, Kostromina MA, Fateev IV, Yurovskaya DO, Karanov AA, Konstantinova ID, Kuranova IP, **Esipov RS** (2023). Preliminary X-ray Study of Crystals Obtained by Co-Crystallization of Hypoxanthine–Guanine Phosphoribosyltransferase from *Escherichia coli* and Pyrazine-2-Carboxamide Derivatives. *Cryst. Rep* 68 (6), 852–856, [10.1134/S1063774523600965](https://doi.org/10.1134/S1063774523600965)
8. Timofeev VI, Abramchik YA, Shevtsov MB, Kostromina MA, Zavriev SK, Zayats EA, **Esipov RS**, Kuranova IP (2023). X-ray structure of recombinant house dust mite allergen Der p 3. *MENDELEEV COMMUN* 33 (6), 796–798, [10.1016/j.mencom.2023.10.019](https://doi.org/10.1016/j.mencom.2023.10.019)
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10. Lykoshin DD, Kostromina MA, Azmukova VR, **Esipov RS** (2023). Chaperone-mediated production of active homodimer human bone morphogenetic protein – 2 in *E. coli*. *Protein Expr Purif* 206, 106245, [10.1016/j.pep.2023.106245](https://doi.org/10.1016/j.pep.2023.106245)
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27. Abramchik Y, Zayats E, Kostromina M, Lykoshin D, Fateev I, Konstantinova I, Zhukhlistova N, Timofeev V, Kuranova I, **Esipov R** (2021). Comparison of spatial structures and packaging of phosphorybosil

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 32. Хомякова ТИ, Терешин МН, **Есипов РС**, Магомедова АД, Козловская ГВ, Козловский ЮЕ, Хомяков ЮН (2020). Формирование и деградация биопленок: молекулярно-клеточные механизмы. *МолМед* 18 (5), 18–27, [10.29296/24999490-2020-05-03](https://doi.org/10.29296/24999490-2020-05-03)
 33. Artsemyeva JN, Remeeva EA, Buravskaya TN, Konstantinova ID, **Esipov RS**, Miroshnikov AI, Litvinko NM, Mikhailopulo IA (2020). Anion exchange resins in phosphate form as versatile carriers for the reactions catalyzed by nucleoside phosphorylases. *Beilstein J Org Chem* 16, 2607–2622, [10.3762/bjoc.16.212](https://doi.org/10.3762/bjoc.16.212)
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44. (конференция) **Esipov RS**, Timofeev VI, Kuranova IP, Kostromina MA, Tuzova ES, Abramchik YA, Esipova LV, Sinitsyna EV, Fateev IV, Muravieva TI, Miroshnikov AI (2018). A new approach for the synthesis of biologically important nucleotides using a thermostable multi-enzymatic cascade. *J Bioenerg Biomembr* 50 (6), 467–603, [10.1007/s10863-018-9775-7](https://doi.org/10.1007/s10863-018-9775-7)
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