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Контакты

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Работа в ИБХ

2022–наст.вр.	Старший научный сотрудник
2026–2026	Доцент
2019–2022	Научный сотрудник
2018–2022	Научный сотрудник

Членство в сообществах

Член Совета молодых Ученых ИБХ РАН второго созыва с 2014 г. и третьего созыва с 2016 г.

Степени и звания

2016 Кандидат наук (Химические науки, 02.00.10 — Биоорганическая химия)

Гранты и проекты

- 2023–
наст.вр. [Исследование сенсibilизационного потенциала и перекрёстной реактивности клинически значимых аллергенов класса PR-10 для разработки новых подходов проведения аллерген-специфической иммунотерапии](#)
- 2023–
наст.вр. [Исследование сенсibilизационного потенциала и перекрёстной реактивности клинически значимых аллергенов класса PR-10 для разработки новых подходов проведения аллерген-специфической иммунотерапии](#)
- 2023–
наст.вр. [Исследование сенсibilизационного потенциала и перекрёстной реактивности клинически значимых аллергенов класса PR-10 для разработки новых подходов проведения аллерген-специфической иммунотерапии](#)

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- Bogdanov IV**, Finkina EI, Kamaeva AG, Krasilshchikova MS, Ovchinnikova TV (2025). Adjuvant-Free Murine Models of Allergic Sensitization to the Major Soybean Allergen Gly m 4. *Int J Mol Sci* 26 (23), 11695, [10.3390/ijms262311695](https://doi.org/10.3390/ijms262311695)
- Shevchenko OV, **Bogdanov IV**, Fateeva SI, Melnikova DN, Ignatova AA, Toropygin IY, Ovchinnikova TV, Finkina EI (2025). Anticandidal Activity and Low Cytotoxicity of Modified Analogues of the Tobacco Defensin NaD1. *Antibiotics (Basel)* 14 (11), 1129, [10.3390/antibiotics14111129](https://doi.org/10.3390/antibiotics14111129)
- Finkina EI, Gerasimova AA, Shevchenko OV, **Bogdanov IV**, Tagaev AA, Voropaev AD, Ovchinnikova TV (2025). Modified Hevein-like Peptide from *Amaranthus caudatus* as a Promising Agent Against Pathogenic *Candida* Species. *Pharmaceutics* 17 (11), 1406, [10.3390/pharmaceutics17111406](https://doi.org/10.3390/pharmaceutics17111406)
- Bogdanov IV**, Ovchinnikova TV (2025). Proinflammatory Phenotype of CD161+ Double-Negative T Cells. *Russ. J. Bioorganic Chem.* 51 (5), 1917–1926, [10.1134/S1068162025603787](https://doi.org/10.1134/S1068162025603787)

5. Melnikova DN, Potapov AE, Ovchinnikova TV, **Bogdanov IV** (2025). Modeling Human Airway Epithelial Barrier Penetration Using Birch Bet v 1 and Alder Aln g 1 Pollen Allergens During Sensitization Process. *Int J Mol Sci* 26 (11), 5169, [10.3390/ijms26115169](https://doi.org/10.3390/ijms26115169)
6. Finkina EI, Danilova YD, Melnikova DN, Ovchinnikova TV, **Bogdanov IV** (2025). Sensitization Potential of the Major Soybean Allergen Gly m 4 and Its Cross-Reactivity with the Birch Pollen Allergen Bet v 1. *Int J Mol Sci* 26 (7), 2932, [10.3390/ijms26072932](https://doi.org/10.3390/ijms26072932)
7. Bolosov IA, Finkina EI, **Bogdanov IV**, Safronova VN, Panteleev PV, Ovchinnikova TV (2024). Natural Gomesin-like Peptides with More Selective Antifungal Activities. *Pharmaceutics* 16 (12), 1606, [10.3390/pharmaceutics16121606](https://doi.org/10.3390/pharmaceutics16121606)
8. Shevchenko OV, Voropaev AD, **Bogdanov IV**, Ovchinnikova TV, Finkina EI (2024). Effects of the Tobacco Defensin NaD1 Against Susceptible and Resistant Strains of *Candida albicans*. *Pathogens* 13 (12), 1092, [10.3390/pathogens13121092](https://doi.org/10.3390/pathogens13121092)
9. Panteleev PV, Pichkur EB, Kruglikov RN, Paleskava A, Shulenina OV, Bolosov IA, **Bogdanov IV**, Safronova VN, Balandin SV, Marina VI, Kombarova TI, Korobova OV, Shamova OV, Myasnikov AG, Borzilov AI, Osterman IA, Sergiev PV, Bogdanov AA, Dontsova OA, Konevega AL, Ovchinnikova TV (2024). Romicidins are a family of mammalian host-defense peptides plugging the 70S ribosome exit tunnel. *Nat Commun* 15 (1), 8925, [10.1038/s41467-024-53309-y](https://doi.org/10.1038/s41467-024-53309-y)
10. Finkina EI, **Bogdanov IV**, Shevchenko OV, Fateeva SI, Ignatova AA, Balandin SV, Ovchinnikova TV (2024). Immunomodulatory Effects of the Tobacco Defensin NaD1. *Antibiotics (Basel)* 13 (11), 1101, [10.3390/antibiotics13111101](https://doi.org/10.3390/antibiotics13111101)
11. Antoshina DV, Balandin SV, Finkina EI, **Bogdanov IV**, Eremchuk SI, Kononova DV, Kovrizhnykh AA, Ovchinnikova TV (2024). Acidocin A and Acidocin 8912 Belong to a Distinct Subfamily of Class II Bacteriocins with a Broad Spectrum of Antimicrobial Activity. *Int J Mol Sci* 25 (18), 10059, [10.3390/ijms251810059](https://doi.org/10.3390/ijms251810059)
12. Melnikova DN, Finkina EI, Potapov AE, Danilova YD, Toropygin IY, Matveevskaya NS, Ovchinnikova TV, **Bogdanov IV** (2024). Structural and Immunological Features of PR-10 Allergens: Focusing on the Major Alder Pollen Allergen Aln g 1. *Int J Mol Sci* 25 (9), 4965, [10.3390/ijms25094965](https://doi.org/10.3390/ijms25094965)
13. Melnikova DN, **Bogdanov IV**, Potapov AE, Alekseeva AS, Finkina EI, Ovchinnikova TV (2023). Molecular Insight into Ligand Binding and Transport by the Lentil Lipid Transfer Protein Lc-LTP2: The Role of Basic Amino Acid Residues at Opposite Entrances to the Hydrophobic Cavity. *Biomolecules* 13 (12), 1699, [10.3390/biom13121699](https://doi.org/10.3390/biom13121699)
14. **Bogdanov IV**, Streltsova MA, Kovalenko EI, Sapozhnikov AM, Panteleev PV, Ovchinnikova TV (2023). Epithelial-Immune Cell Crosstalk Determines the Activation of Immune Cells In Vitro by the Human Cathelicidin LL-37 at Low Physiological Concentrations. *Biomolecules* 13 (9), 1316, [10.3390/biom13091316](https://doi.org/10.3390/biom13091316)
15. **Bogdanov IV**, Fateeva SI, Voropaev AD, Ovchinnikova TV, Finkina EI (2023). Immunomodulatory Effects of the Pea Defensin Psd1 in the Caco-2/Immune Cells Co-Culture upon *Candida albicans* Infection. *Int J Mol Sci* 24 (9), , [10.3390/ijms24097712](https://doi.org/10.3390/ijms24097712)
16. Melnikova DN, Finkina EI, **Bogdanov IV**, Tagaev AA, Ovchinnikova TV (2023). Features and Possible Applications of Plant Lipid-Binding and Transfer Proteins. *Membranes (Basel)* 13 (1), 2, [10.3390/membranes13010002](https://doi.org/10.3390/membranes13010002)
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19. Polak D, Vollmann U, Grilo J, **Bogdanov IV**, Aglas L, Ovchinnikova TV, Ferreira F, Bohle B (2022). Bet v 1-independent sensitization to major allergens in Fagales pollen: evidence at the T cell level. *Allergy* 78 (3), 743–751, [10.1111/all.15594](https://doi.org/10.1111/all.15594)
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30. Melnikova DN, **Bogdanov IV**, Ignatova AA, Ovchinnikova TV, Finkina EI (2020). New insights into ligand binding by plant lipid transfer proteins: A case study of the lentil Lc-LTP2. *Biochem Biophys Res Commun* 528 (1), 39–45, [10.1016/j.bbrc.2020.04.139](https://doi.org/10.1016/j.bbrc.2020.04.139)
31. **Bogdanov IV**, Finkina EI, Melnikova DN, Tagaev AA, Ovchinnikova TV (2019). Analysis of the Serum Cytokine Profile in Allergic Patients Opens a Way to Personalized Treatment of Allergy. *Bull Exp Biol Med* 166 (6), 770–773, [10.1007/s10517-019-04437-9](https://doi.org/10.1007/s10517-019-04437-9)
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33. Мельникова ДН, Финкина ЕИ, **Богданов ИВ**, Овчинникова ТВ (2018). Растительные PR-белки, связывающие липиды и другие гидрофобные лиганды. *Bioorg Khim* 44 (6), 585–594, [10.1134/S0132342318060064](https://doi.org/10.1134/S0132342318060064)
34. **Богданов ИВ**, Финкина ЕИ, Мельникова ДН, Тагаев АА, Овчинникова ТВ (2018). Анализ профиля цитокинов в сыворотках пациентов с аллергией открывает путь к персонализированной аллерготерапии. *Biull Eksp Biol Med* 166 (12), 736–741.
35. Melnikova DN, Finkina EI, **Bogdanov IV**, Ovchinnikova TV (2018). Plant Pathogenesis-Related Proteins Binding Lipids and Other Hydrophobic Ligands. *Russ. J. Bioorganic Chem.* 44 (6), 586–594, [10.1134/S1068162018060055](https://doi.org/10.1134/S1068162018060055)
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39. **Bogdanov IV**, Shenkarev ZO, Finkina EI, Melnikova DN, Rumynskiy EI, Arseniev AS, Ovchinnikova TV (2016). A novel lipid transfer protein from the pea *Pisum sativum*: Isolation, recombinant expression, solution structure, antifungal activity, lipid binding, and allergenic properties. *BMC Plant Biol* 16 (1), 107, [10.1186/s12870-016-0792-6](https://doi.org/10.1186/s12870-016-0792-6)
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41. **Bogdanov IV**, Finkina EI, Balandin SV, Melnikova DN, Stukacheva EA, Ovchinnikova TV (2015). Structural and functional characterization of recombinant isoforms of the lentil lipid transfer protein. *Acta Naturae* 7 (3), 65–73, [10.32607/20758251-2015-7-3-65-73](https://doi.org/10.32607/20758251-2015-7-3-65-73)
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