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Адрес

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Контакты

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Работа в ИБХ

2022–наст.вр.	Старший научный сотрудник
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

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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- 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), , [10.3390/ijms25094965](https://doi.org/10.3390/ijms25094965)
- 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)
- 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)
- 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)

5. 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)
6. Antoshina DV, Balandin SV, **Bogdanov IV**, Vershinina MA, Sheremeteva EV, Toropygin IY, Finkina EI, Ovchinnikova TV (2022). Antimicrobial Activity and Immunomodulatory Properties of Acidocin A, the Pediocin-like Bacteriocin with the Non-Canonical Structure. *Membranes (Basel)* 12 (12), 1253, [10.3390/membranes12121253](https://doi.org/10.3390/membranes12121253)
7. Finkina EI, **Bogdanov IV**, Ziganshin RH, Strokach NN, Melnikova DN, Toropygin IY, Matveevskaya NS, Ovchinnikova TV (2022). Structural and Immunologic Properties of the Major Soybean Allergen Gly m 4 Causing Anaphylaxis. *Int J Mol Sci* 23 (23), 15386, [10.3390/ijms232315386](https://doi.org/10.3390/ijms232315386)
8. 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)
9. Finkina EI, **Bogdanov IV**, Ignatova AA, Kanushkina MD, Egorova EA, Voropaev AD, Stukacheva EA, Ovchinnikova TV (2022). Antifungal Activity, Structural Stability, and Immunomodulatory Effects on Human Immune Cells of Defensin from the Lentil *Lens culinaris*. *Membranes (Basel)* 12 (9), , [10.3390/membranes12090855](https://doi.org/10.3390/membranes12090855)
10. Guryanova SV, Finkina EI, Melnikova DN, **Bogdanov IV**, Bohle B, Ovchinnikova TV (2022). How Do Pollen Allergens Sensitize? *Front Mol Biosci* 9, 900533, [10.3389/fmolb.2022.900533](https://doi.org/10.3389/fmolb.2022.900533)
11. Panteleev PV, Safronova VN, Kruglikov RN, Bolosov IA, **Bogdanov IV**, Ovchinnikova TV (2022). A Novel Proline-Rich Cathelicidin from the Alpaca *Vicugna pacos* with Potency to Combat Antibiotic-Resistant Bacteria: Mechanism of Action and the Functional Role of the C-Terminal Region. *Membranes (Basel)* 12 (5), , [10.3390/membranes12050515](https://doi.org/10.3390/membranes12050515)
12. Svirshchevskaya EV, Sharonova NV, Poltavtseva RA, Konovalova MV, Efimov AE, Popov AA, Sizova SV, Solovyeva DO, **Bogdanov IV**, Oleinikov VA (2022). Silicon–Gold Nanoparticles Affect Wharton’s Jelly Phenotype and Secretome during Tri-Lineage Differentiation. *Int J Mol Sci* 23 (4), , [10.3390/ijms23042134](https://doi.org/10.3390/ijms23042134)
13. Melnikova DN, Finkina EI, **Bogdanov IV**, Ignatova AA, Matveevskaya S, Tagaev A, Ovchinnikova V (2021). Effect of Point Mutations on Structural and Allergenic Properties of the Lentil Allergen Len c 3. *Membranes (Basel)* 11 (12), 939, [10.3390/membranes11120939](https://doi.org/10.3390/membranes11120939)
14. Finkina EI, Melnikova DN, **Bogdanov IV**, Ignatova AA, Ovchinnikova TV (2021). Do lipids influence gastrointestinal processing: A case study of major soybean allergen gly m 4. *Membranes (Basel)* 11 (10), , [10.3390/membranes11100754](https://doi.org/10.3390/membranes11100754)
15. Akhiyarova GR, Ivanov RS, Ivanov II, Finkina EI, Melnikova DN, **Bogdanov IV**, Nuzhnaya T, Ovchinnikova TV, Veselov DS, Kudoyarova GR (2021). Effects of salinity and abscisic acid on lipid transfer protein accumulation, suberin deposition and hydraulic conductance in pea roots. *Membranes (Basel)* 11 (10), , [10.3390/membranes11100762](https://doi.org/10.3390/membranes11100762)
16. **Bogdanov IV**, Finkina EI, Melnikova DN, Ziganshin RH, Ovchinnikova TV (2021). Investigation of Sensitization Potential of the Soybean Allergen Gly m 4 by Using Caco-2/Immune Cells Co-Culture Model. *Nutrients* 13 (6), , [10.3390/nu13062058](https://doi.org/10.3390/nu13062058)
17. Finkina EI, Melnikova DN, **Bogdanov IV**, Matveevskaya NS, Ignatova AA, Toropygin IY, Ovchinnikova TV (2020). Impact of Different Lipid Ligands on the Stability and IgE-Binding Capacity of the Lentil Allergen Len c 3. *Biomolecules* 10 (12), 1–15, [10.3390/biom10121668](https://doi.org/10.3390/biom10121668)
18. Melnikova D, **Bogdanov I**, Ovchinnikova T, Finkina E (2020). Interaction between the Lentil Lipid Transfer Protein Lc-LTP2 and Its Novel Signal Ligand PI(4,5)P2. *Membranes (Basel)* 10 (11), 1–11, [10.3390/membranes10110357](https://doi.org/10.3390/membranes10110357)
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20. **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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- Plants. Part II. Biosynthesis, Biological Functions, and Possible Practical Applications. *Russ. J. Bioorganic Chem.* 45 (2), 55–65, [10.1134/S1068162019020043](https://doi.org/10.1134/S1068162019020043)
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27. Finkina EI, Melnikova DN, **Bogdanov IV**, Ovchinnikova TV (2016). Lipid Transfer Proteins As Components of the Plant Innate Immune System: Structure, Functions, and Applications. *Acta Naturae* 8 (2), 47–61, [10.32607/20758251-2016-8-2-47-61](https://doi.org/10.32607/20758251-2016-8-2-47-61)
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