

Резюме: Богданов Иван Владимирович



Адрес

Федеральное государственное
бюджетное учреждение науки
Институт биоорганической химии им.
академиков М.М. Шемякина и Ю.А.
Овчинникова Российской академии
наук, Москва, Россия

Контакты

<https://www.ibch.ru/users/850>

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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- 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](#)
- 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](#)
- 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](#)
- 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

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5. **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)
6. **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)
7. 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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10. 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)
11. 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)
12. 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)
13. Panteleev PV, Safronova VN, Melnikova DN, 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)
14. 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)
15. 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)
16. 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)
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19. 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)
20. 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,

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34. **Bogdanov IG**, Dalev PG, Gurevich AI, Kolosov MN, Malkova VP, Plemyannikova LA, Sorokina IB (1975). Antitumour glycopeptides from *Lactobacillus bulgaricus* cell wall. *FEBS Lett* 57 (3), 259–261, [10.1016/0014-5793\(75\)80312-7](https://doi.org/10.1016/0014-5793(75)80312-7)