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Адрес	Контакты
Федеральное государственное бюджетное учреждение науки Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова Российской академии наук, Москва, Россия	<a href="https://www.ibch.ru/ru/users/427">https://www.ibch.ru/ru/users/427</a>

Образование

1994–1995	Япония, Кобэ	Университет Кобэ	стажировка
1987–1989	СССР, Москва	Институт Тонкой Химической Технологии им. Ломоносова М.В.	кандидат химических наук
1979–1984	СССР, Москва	МИФИ	диплом с отличием

Работа в ИБХ

2018–наст.вр.	Старший научный сотрудник
	Научный сотрудник

Навыки

Владею методиками оптической (ИК-, КД-, флуоресцентная спектроскопия) и радиоспектроскопии (ЯМР, ЭПР) для изучения структуры мембраноактивных соединений, а также их взаимодействия с липидными и биомембранами. Владею навыками программирования на языке Python.

Владение языками

русский (родной), английский (уверенный пользователь), немецкий, французский, японский (чтение и перевод со словарём)

Научные интересы

Полипептидные токсины: структура и взаимодействие с липидными и биомембранами.

Членство в сообществах

Член Биохимического общества СССР (затем России).

Степени и звания

Кандидат наук (Химические науки, 02.00.10 — Биоорганическая химия)
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Гранты и проекты

2024–наст.вр.	<a href="#">Дизайн антимикробных пептидов на основе мембраноактивных токсинов яда животных против метициллинрезистентного золотистого стафилококка</a>
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Публикации

1. **Dubovskii PV**, Utkin YN (2024). Specific Amino Acid Residues in the Three Loops of Snake Cytotoxins Determine Their Membrane Activity and Provide a Rationale for a New Classification of These Toxins. *Toxins*

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2. Dubova M, **Dubovskii V**, Utkin N, Samygina R (2024). Effect of Microgravity on the Crystallization of Cardiotoxin from the Venom of Spectacled Cobra *Naja naja*. *Cryst. Rep* 68 (6), 900–904, [10.1134/S1063774523601144](https://doi.org/10.1134/S1063774523601144)
  3. Дубова КМ, **Дубовский ПВ**, Уткин ЮН, Самыгина ВР (2023). ВЛИЯНИЕ МИКРОГРАВИТАЦИИ НА КРИСТАЛЛИЗАЦИЮ КАРДИОТОКСИНА ИЗ ЯДА ОЧКОВОЙ КОБРЫ *Naja naja*. *Кристаллография* 68 (6), 902–906, [10.31857/S0023476123600465](https://doi.org/10.31857/S0023476123600465)
  4. **Dubovskii PV**, Ignatova AA, Alekseeva AS, Starkov VG, Boldyrev IA, Feofanov AV, Utkin YN (2023). Membrane-Disrupting Activity of Cobra Cytotoxins Is Determined by Configuration of the N-Terminal Loop. *Toxins (Basel)* 15 (1), 6, [10.3390/toxins15010006](https://doi.org/10.3390/toxins15010006)
  5. **Dubovskii PV**, Dubova KM, Bourenkov G, Starkov VG, Konshina AG, Efremov RG, Utkin YN, Samygina VR (2022). Variability in the Spatial Structure of the Central Loop in Cobra Cytotoxins Revealed by X-ray Analysis and Molecular Modeling. *Toxins (Basel)* 14 (2), , [10.3390/toxins14020149](https://doi.org/10.3390/toxins14020149)
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  8. Konshina AG, **Dubovskii PV**, Efremov RG (2021). Stepwise Insertion of Cobra Cardiotoxin CT2 into a Lipid Bilayer Occurs as an Interplay of Protein and Membrane “Dynamic Molecular Portraits”. *J Chem Inf Model* 61 (1), 385–399, [10.1021/acs.jcim.0c01137](https://doi.org/10.1021/acs.jcim.0c01137)
  9. **Dubovskii PV**, Ignatova AA, Feofanov AV, Utkin YN, Efremov RG (2020). Antibacterial activity of cardiotoxin-like basic polypeptide from cobra venom. *Bioorg Med Chem Lett* 30 (3), 126890, [10.1016/j.bmcl.2019.126890](https://doi.org/10.1016/j.bmcl.2019.126890)
  10. **Dubovskii PV**, Efremov RG (2018). The role of hydrophobic /hydrophilic balance in the activity of structurally flexible vs rigid cytolytic polypeptides and analogues developed on their basis. *Expert Rev Proteomics* 15 (11), 873–886, [10.1080/14789450.2018.1537786](https://doi.org/10.1080/14789450.2018.1537786)
  11. **Dubovskii PV**, Ignatova AA, Volynsky PE, Ivanov IA, Zhmak MN, Feofanov AV, Efremov RG (2018). Improving therapeutic potential of antibacterial spider venom peptides: coarse-grain molecular dynamics guided approach. *Future Med Chem* 10 (19), 2309–2322, [10.4155/fmc-2018-0170](https://doi.org/10.4155/fmc-2018-0170)
  12. **Dubovskii PV**, Dubinnyi MA, Volynsky PE, Pustovalova YE, Konshina AG, Utkin YN, Arseniev AS, Efremov RG (2017). Impact of membrane partitioning on the spatial structure of an S-type cobra cytotoxin. *J Biomol Struct Dyn* 36 (13), 1–16, [10.1080/07391102.2017.1389662](https://doi.org/10.1080/07391102.2017.1389662)
  13. Thien TV, Anh HN, Trang NTT, Trung PV, Khoa NC, Osipov AV, **Dubovskii PV**, Ivanov IA, Arseniev AS, Tsetlin VI, Utkin YN (2017). Low-molecular-weight compounds with anticoagulant activity from the scorpion *Heterometrus laoticus* venom. *Dokl Biochem Biophys* 476 (1), 316–319, [10.1134/S1607672917050052](https://doi.org/10.1134/S1607672917050052)
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  15. Thien TV, Anh HN, Trang NTT, Trung PV, Khoa NC, Osipov AV, **Dubovskii PV**, Ivanov A, Arseniev S, Tsetlin I, Utkin YN (2017). Low-Molecular Compounds with Anticoagulant Activity from Scorpion *Heterometrus laoticus* Venom. *Dokl Biochem Biophys* 476 (4), 476–479, [10.7868/S086956521728026X](https://doi.org/10.7868/S086956521728026X)
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22. Babailov SP, **Dubovskii PV**, Zapolotsky EN (2014). Paramagnetic lanthanides as magnetic resonance thermo-sensors and probes of molecular dynamics: Holmium-DOTA complex. *Polyhedron* 79, 277–283, [10.1016/j.poly.2014.04.067](https://doi.org/10.1016/j.poly.2014.04.067)
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- peptide of influenza virus hemagglutinin: Synthesis and properties. *Russ. J. Bioorganic Chem.* 30 (2), 196–198, [10.1023/B:RUBI.0000023108.05741.17](https://doi.org/10.1023/B:RUBI.0000023108.05741.17)
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