

Резюме: Ямпольский Илья Викторович



Адрес

Федеральное государственное
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Институт биоорганической химии им.
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Контакты

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Работа в ИБХ

Заместитель директора по науке

Заведующий отделом

Заведующий лабораторией

Научный сотрудник

Членство в советах и комиссиях ИБХ

Методическая комиссия

Аттестационная комиссия

Диссертационный совет

Научные интересы

Области научных интересов: Медицинская химия, полный синтез, биолюминесценция, люминесцентные и флуорогенные красители, установление механизмов биосинтеза.

Также И. В. Ямпольский посвящает много времени преподаванию химии для школьников и студентов, специализирующихся в области биологии, являясь автором около десятка оригинальных лекционных курсов.

Степени и звания

Доктор наук (Химические науки, 02.00.10 — Биоорганическая химия)

Гранты и проекты

2020– наст.вр. [Чех: Разработка панели люминесцентных репортеров для изучения растительных гормонов in vivo на основе генетически кодируемой люминесценции](#)

2016– наст.вр. [Создание первой в мире генетически кодируемой системы автономной биолюминесценции эукариот](#)

2018– 2021 [Поиск ферментов биосинтеза и инженерия метаболического пути гиспидина - биосинтетического предшественника люциферина грибов - в микроорганизмах](#)

2018– 2020 [Изучение структурно-функциональной организации гиспидин-3-гидроксилазы](#)

Публикации

1. Burakova LP, Lyakhovich MS, Mineev KS, Petushkov VN, Zagitova RI, Tsarkova AS, Kovalchuk SI, **Yampolsky IV**, Vysotski ES, Kaskova ZM (2021). Unexpected Coelenterazine Degradation Products of Photoprotein Photoinactivation. *Org Lett* 23 (17), 6846–6849, [10.1021/acs.orglett.1c02410](https://doi.org/10.1021/acs.orglett.1c02410)
2. Gorokhovatsky AY, Chepurnykh TV, Shcheglov AS, Mokrushina YA, Baranova MN, Goncharuk SA, Purtov KV, Petushkov VN, Rodionova NS, **Yampolsky IV** (2021). The Recombinant Luciferase of the Fungus *Neonothopanus nambi*: Obtaining and Properties. *Dokl Biochem Biophys* 496 (1), 52–55, [10.1134/S1607672921010051](https://doi.org/10.1134/S1607672921010051)
3. Beregovaya KA, Myshkina NM, Chepurnykh TV, Kotlobay AA, Purtov KV, Petushkov VN, Rodionova NS, **Yampolsky IV** (2021). Rational Design and Mutagenesis of Fungal Luciferase from *Neonothopanus nambi*. *Dokl Biochem Biophys* 496 (1), 14–17, [10.1134/S1607672921010026](https://doi.org/10.1134/S1607672921010026)
4. Mitiouchkina T, Mishin AS, Somermeyer LG, Markina NM, Chepurnykh TV, Guglya EB, Karataeva TA, Palkina KA, Shakhova ES, Fakhranurova LI, Chekova SV, Tsarkova AS, Golubev YV, Negrebetsky VV, Dolgushin SA, Shalaev PV, Shlykov D, Melnik OA, Shipunova VO, Deyev SM, Bubyrev AI, Pushin AS, Choob VV, Dolgov SV, Kondrashov FA, **Yampolsky IV**, Sarkisyan KS (2020). Author Correction: Plants with genetically encoded autoluminescence. *Nat Biotechnol* 38 (8), 1001, [10.1038/s41587-020-0578-0](https://doi.org/10.1038/s41587-020-0578-0)
5. Kotlobay AA, Kaskova ZM, **Yampolsky IV** (2020). Palette of Luciferases: Natural Biotools for New Applications in Biomedicine. *Acta Naturae* 12 (2), 15–27, [10.32607/actanaturae.10967](https://doi.org/10.32607/actanaturae.10967)
6. Mitiouchkina T, Mishin AS, Somermeyer LG, Markina NM, Chepurnykh TV, Guglya EB, Karataeva TA, Palkina KA, Shakhova ES, Fakhranurova LI, Chekova SV, Tsarkova AS, Golubev YV, Negrebetsky VV, Dolgushin SA, Shalaev PV, Shlykov D, Melnik OA, Shipunova VO, Deyev SM, Bubyrev AI, Pushin AS, Choob VV, Dolgov SV, Kondrashov FA, **Yampolsky IV**, Sarkisyan KS (2020). Plants with genetically encoded autoluminescence. *Nat Biotechnol* 38 (8), 944–946, [10.1038/s41587-020-0500-9](https://doi.org/10.1038/s41587-020-0500-9)
7. Mirza JD, Migotto AE, **Yampolsky IV**, Moraes GV, Tsarkova AS, Oliveira AG (2020). *Chaetopterus variopedatus* bioluminescence: A review of light emission within a species complex. *Photochem Photobiol* 96 (4), 768–778, [10.1111/php.13221](https://doi.org/10.1111/php.13221)
8. Kotlobay AA, Dubinnyi MA, Purtov KV, Guglya EB, Rodionova NS, Petushkov VN, Bolt YV, Kublitski VS, Kaskova ZM, Ziganshin RH, Nelyubina YV, Dorovatovskii PV, Eliseev IE, Branchini BR, Bourenkov G, Ivanov IA, Oba Y, **Yampolsky IV**, Tsarkova AS (2019). Bioluminescence chemistry of fireworm *Odontosyllis*. *Proc Natl Acad Sci U S A* 116 (38), 18911–18916, [10.1073/pnas.1902095116](https://doi.org/10.1073/pnas.1902095116)
9. Osipova ZM, Shcheglov AS, **Yampolsky IV** (2019). Autonomous bioluminescent systems: Prospects for use in the imaging of living organisms. *Bulletin of Russian State Medical University* 9 (6), 62–65, [10.24075/brsmu.2019.083](https://doi.org/10.24075/brsmu.2019.083)
10. Chen C, Zhu L, Baranov MS, Tang L, Baleeva NS, Smirnov AY, **Yampolsky IV**, Solntsev KM, Fang C (2019). Photoinduced Proton Transfer of GFP-Inspired Fluorescent Superphotoacids: Principles and Design. *J Phys Chem B* 123 (17), 3804–3821, [10.1021/acs.jpcc.9b03201](https://doi.org/10.1021/acs.jpcc.9b03201)
11. Chen C, Baranov MS, Zhu L, Baleeva NS, Smirnov AY, Zaitseva SO, **Yampolsky IV**, Solntsev KM, Fang C (2019). Designing redder and brighter fluorophores by synergistic tuning of ground and excited states. *Chem Commun (Camb)* 55 (17), 2537–2540, [10.1039/c8cc10007a](https://doi.org/10.1039/c8cc10007a)
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