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Адрес

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

Контакты

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Образование

1983–2013	Россия, Москва	Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова РАН (ИБХ РАН)	Присуждена учёная степень доктора химических наук, диссертация «Посттрансляционные модификации белков семейства GFP»
1975–1983	Россия, Москва	Институт биоорганической химии им. М.М. Шемякина АН СССР (ИБХ)	Присуждена учёная степень кандидата химических наук, диссертация «Исследование молекулярной организации зрительного родопсина »
1970–1975	Россия, Москва	Московский государственный университет им. М.В. Ломоносова (МГУ, химический факультет)	Диплом химика

Работа в ИБХ

2018–наст.вр.	Главный научный сотрудник	

Научные интересы

Основные научные интересы В.И. Мартынова связаны с исследованиями структуры и функции светочувствительных белков, а также возможностью их применения в молекулярной, клеточной биологии и в тераностике различных заболеваний.

Степени и звания

	Доктор наук (Химические науки)

Ссылки и контакты

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Гранты и проекты

2023–2024	Модульные пептидно-белковые конструкции для ранней диагностики и лечения онкологических заболеваний
2020–2022	Гибридные конструкции для нацеленной доставки синтетических фотосенсибилизаторов к раковым клеткам

2018–2020	Создание новых генетически кодируемых агентов для тераностики раковых заболеваний

Публикации

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2. Efimova AS, Ustimova MA, Frolova AY, **Martynov VI**, Deyev SM, Fedorov YV, Fedorova OA, Pakhomov AA (2024). Styryl dyes for viscosity measurement and detection of pathological processes in mitochondria of living cells using fluorescence lifetime imaging microscopy, a critical study. *Opt Mater (Amst)* 159 (2), 116517, 10.1016/j.optmat.2024.116517
3. Frolova AY, Pakhomov AA, Deyev SM, **Martynov VI** (2024). Influence of Peptide Linkers on the Functional Properties of Hybrid Structures with Selective pH-Dependent Binding to Cancer Cells. *Russ. J. Bioorganic Chem.* 50 (4), 1141–1149, 10.1134/S1068162024040010
4. Frolova AY, Kim EE, Kononevich YN, **Martynov VI**, Deyev SM, Pakhomov AA (2024). Octa-BODIPY dye for monitoring live cell parameters using fluorescence lifetime imaging microscopy. *Opt Spectrosc* 132 (4), 358–363, 10.61011/EOS.2024.04.58874.26-24
5. Frolova AY, Pakhomov AA, Kakuev DL, Sungurova AS, Dremina AA, Mamontova ED, Deyev SM, **Martynov VI** (2023). Hybrid protein-peptide system for the selective pH-dependent binding and photodynamic ablation of cancer cells. *J Photochem Photobiol B* 249, 112803, 10.1016/j.jphotobiol.2023.112803
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9. Pakhomov AA, Efremova AV, Maksimova MA, Kononevich YN, Ionov DS, Dubinets NO, **Martynov VI**, Muzafarov AM, Alfimov MV (2023). Spectral Properties of Functional Distyryl Derivatives of BODIPY. *HIGH ENERG CHEM+* 57 (3), 192–199, 10.1134/S0018143923030104
10. Frolova AY, Kutyakov SV, **Martynov VI**, Deyev SM, Pakhomov AA (2023). BODIPY Dye Derivative for Irreversible Fluorescent Labeling of Eukaryotic Cells and Their Simultaneous Cytometric Analysis. *Acta Naturae* 15 (4), 92–99, 10.32607/actanaturae.26879
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12. Mamaeva AA, **Martynov VI**, Deyev SM, Pakhomov AA (2022). Comparison of Colorimetric and Fluorometric Chemosensors for Protein Concentration Determination and Approaches for Estimation of their Limits of Detection. *Chemosensors (Basel)* 10 (12), 542, 10.3390/chemosensors10120542
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