**Сведения о научном руководителе диссертации**

*Шафикова Радика Радиковича*

**«***Структурно-функциональная характеристика лигандов маркера рака простаты GCPII и анализ регуляции экспрессии кодирующего его гена FOLH1***»**

**Научный руководитель:** Скворцов Дмитрий Александрович
**Ученая степень:** кандидат химических наук
**Ученое звание: -**
**Должность:** доцент, Кафедра химии природных соединений
**Место работы:** Химический факультет МГУ имени М.В. Ломоносова
**Адрес места работы:** 119192, Москва, Ленинские горы, д.1 стр. 40
**Тел.:** (495)939-54-18
**E-mail:** skvortsov@genebee.msu.ru; skvortsovdmitrya@gmail.com

Список основных научных публикаций по специальности 1.5.3 «молекулярная биология» за последние 5 лет:

1. M.A. Kalinina, D.A. Skvortsov, M.P. Rubtsova, E.S. Komarova, O.A. Dontsova, Cytotoxicity Test Based on Human Cells Labeled with Fluorescent Proteins: Fluorimetry, Photography, and Scanning for High-Throughput Assay, Mol Imaging Biol 20(3) (2018) 368-377.
2. A.E. Machulkin, D.A. Skvortsov, Y.A. Ivanenkov, A.P. Ber, M.V. Kavalchuk, A.V. Aladinskaya, A.A. Uspenskaya, R.R. Shafikov, E.A. Plotnikova, R.I. Yakubovskaya, E.A. Nimenko, N.U. Zyk, E.K. Beloglazkina, N.V. Zyk, V.E. Koteliansky, A.G. Majouga, Synthesis and biological evaluation of PSMA-targeting paclitaxel conjugates, Bioorg Med Chem Lett 29(16) (2019) 2229-2235.
3. Y.A. Ivanenkov, A. Zhavoronkov, R.S. Yamidanov, I.A. Osterman, P.V. Sergiev, V.A. Aladinskiy, A.V. Aladinskaya, V.A. Terentiev, M.S. Veselov, A.A. Ayginin, V.G. Kartsev, D.A. Skvortsov, A.V. Chemeris, A.K. Baimiev, A.A. Sofronova, A.S. Malyshev, G.I. Filkov, D.S. Bezrukov, B.A. Zagribelnyy, E.O. Putin, M.M. Puchinina, O.A. Dontsova, Identification of Novel Antibacterials Using Machine Learning Techniques, Front Pharmacol 10 (2019) 913.
4. A.V. Finko, D.A. Skvortsov, D.N. Laikov, G.M. Averochkin, E.A. Dlin, M.A. Kalinina, V.A. Aladinskiy, N.S. Vorobyeva, A.V. Mironov, E.K. Beloglazkina, N.V. Zyk, Y.A. Ivanenkov, A.G. Majouga, Synthesis and biological activity of 5-aryliden-2-thiohydantoin S-aryl derivatives, Bioorg Chem 100 (2020) 103900.
5. O.Y. Burenina, N.L. Lazarevich, I.F. Kustova, D.A. Shavochkina, E.A. Moroz, N.E. Kudashkin, Y.I. Patyutko, A.V. Metelin, E.F. Kim, D.A. Skvortsov, T.S. Zatsepin, M.P. Rubtsova, O.A. Dontsova, Panel of potential lncRNA biomarkers can distinguish various types of liver malignant and benign tumors, J Cancer Res Clin Oncol 147(1) (2021) 49-59.
6. D.A. Skvortsov, S.K. Emashova, M.A. Kalinina, O.A. Dontsova, Cyanine mitochondrial dye with slightly selective cytotoxicity against A549 cancerous cells, Arch Pharm (Weinheim) 354(3) (2021) e2000281.
7. M. Kalinina, D. Skvortsov, S. Kalmykova, T. Ivanov, O. Dontsova, D.D. Pervouchine, Multiple competing RNA structures dynamically control alternative splicing in the human ATE1 gene, Nucleic Acids Res 49(1) (2021) 479-490.
8. D.A. Skvortsov, M.A. Kalinina, I.V. Zhirkina, L.A. Vasilyeva, Y.A. Ivanenkov, P.V. Sergiev, O.A. Dontsova, From Toxicity to Selectivity: Coculture of the Fluorescent Tumor and Non-Tumor Lung Cells and High-Throughput Screening of Anticancer Compounds, Front Pharmacol 12 (2021) 713103.
9. S. Kalmykova, M. Kalinina, S. Denisov, A. Mironov, D. Skvortsov, R. Guigo, D. Pervouchine, Conserved long-range base pairings are associated with pre-mRNA processing of human genes, Nat Commun 12(1) (2021) 2300.

10. A.E. Machulkin, A.A. Uspenskaya, N.U. Zyk, E.A. Nimenko, A.P. Ber, S.A. Petrov, V.I. Polshakov, R.R. Shafikov, D.A. Skvortsov, E.A. Plotnikova, A.A. Pankratov, G.B. Smirnova, Y.A. Borisova, V.S. Pokrovsky, V.S. Kolmogorov, A.N. Vaneev, A.D. Khudyakov, O.E. Chepikova, S. Kovalev, A.A. Zamyatnin, Jr., A. Erofeev, P. Gorelkin, E.K. Beloglazkina, N.V. Zyk, E.S. Khazanova, A.G. Majouga, Synthesis, Characterization, and Preclinical Evaluation of a Small-Molecule Prostate-Specific Membrane Antigen-Targeted Monomethyl Auristatin E Conjugate, J Med Chem 64(23) (2021) 17123-17145.
11. O. Krasnovskaya, D. Spector, A. Erofeev, P. Gorelkin, R. Akasov, D. Skvortsov, A. Trigub, K. Vlasova, A. Semkina, N. Zyk, E. Beloglazkina, A. Majouga, Alternative mechanism of action of the DNP Pt(IV) prodrug: intracellular cisplatin release and the mitochondria-mediated apoptotic pathway, Dalton Trans 50(23) (2021) 7922-7927.
12. J.A. Pavlova, Z.Z. Khairullina, A.G. Tereshchenkov, P.A. Nazarov, D.A. Lukianov, I.A. Volynkina, D.A. Skvortsov, G.I. Makarov, E. Abad, S.Y. Murayama, S. Kajiwara, A. Paleskava, A.L. Konevega, Y.N. Antonenko, A. Lyakhovich, I.A. Osterman, A.A. Bogdanov, N.V. Sumbatyan, Triphenilphosphonium Analogs of Chloramphenicol as Dual-Acting Antimicrobial and Antiproliferating Agents, Antibiotics (Basel) 10(5) (2021).
13. V.K. Novotortsev, M.E. Kukushkin, V.A. Tafeenko, D.A. Skvortsov, M.A. Kalinina, R.V. Timoshenko, N.S. Chmelyuk, L.A. Vasilyeva, B.N. Tarasevich, P.V. Gorelkin, A.S. Erofeev, A.G. Majouga, N.V. Zyk, E.K. Beloglazkina, Dispirooxindoles Based on 2-Selenoxo-Imidazolidin-4-Ones: Synthesis, Cytotoxicity and ROS Generation Ability, Int J Mol Sci 22(5) (2021).
14. A.E. Machulkin, R.R. Shafikov, A.A. Uspenskaya, S.A. Petrov, A.P. Ber, D.A. Skvortsov, E.A. Nimenko, N.U. Zyk, G.B. Smirnova, V.S. Pokrovsky, M.A. Abakumov, I.V. Saltykova, R.T. Akhmirov, A.S. Garanina, V.I. Polshakov, O.Y. Saveliev, Y.A. Ivanenkov, A.V. Aladinskaya, A.V. Finko, E.U. Yamansarov, O.O. Krasnovskaya, A.S. Erofeev, P.V. Gorelkin, O.A. Dontsova, E.K. Beloglazkina, N.V. Zyk, E.S. Khazanova, A.G. Majouga, Synthesis and Biological Evaluation of PSMA Ligands with Aromatic Residues and Fluorescent Conjugates Based on Them, J Med Chem 64(8) (2021) 4532-4552.
15. S.A. Lizunova, V.B. Tsvetkov, D.A. Skvortsov, P.N. Kamzeeva, O.M. Ivanova, L.A. Vasilyeva, A.A. Chistov, E.S. Belyaev, A.A. Khrulev, T.S. Vedekhina, A.N. Bogomazova, M.A. Lagarkova, A.M. Varizhuk, A.V. Aralov, Anticancer activity of G4-targeting phenoxazine derivatives in vitro, Biochimie 201 (2022) 43-54.
16. V.A. Alferova, T.P. Maviza, M.V. Biryukov, Y.V. Zakalyukina, D.A. Lukianov, D.A. Skvortsov, L.A. Vasilyeva, V.N. Tashlitsky, V.I. Polshakov, P.V. Sergiev, V.A. Korshun, I.A. Osterman, Biological evaluation and spectral characterization of a novel tetracenomycin X congener, Biochimie 192 (2022) 63-71.
17. N.Y. Zyk, A.P. Ber, E.A. Nimenko, R.R. Shafikov, S.A. Evteev, S.A. Petrov, A.A. Uspenskaya, N.S. Dashkova, Y.A. Ivanenkov, D.A. Skvortsov, E.K. Beloglazkina, A.G. Majouga, A.E. Machulkin, Synthesis and initial in vitro evaluation of PSMA-targeting ligands with a modified aromatic moiety at the lysine epsilon-nitrogen atom, Bioorg Med Chem Lett 71 (2022) 128840.

Ученый секретарь
диссертационного совета МГУ.014.2,
кандидат химических наук
*Ю.Ю. Агапкина*

_____
*Подпись, печать*