

**Сведения об официальных оппонентах
по диссертации Ломова Николая Андреевича
«Изучение механизмов образования транслокаций, ассоциированных со вторичными
лейкозами, вызванными терапией ингибиторами ДНК-топоизомераз II»**

1. Яровая Ольга Владимировна

Ученая степень: доктор биологических наук

Ученое звание: профессор

Научная(ые) специальность(и): 03.00.03— «Молекулярная биология»

Должность: главный научный сотрудник лаборатории структурно-функциональной организации хромосом

Место работы: ФГБУН Института биологии гена РАН

Адрес места работы: 119334, город Москва, улица Вавилова, дом 34/5

Тел.: (499) 135 9787

E-mail: iarovaia@inbox.ru

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

1. Iarovaia OV, Ulianov SV, Ioudinkova ES, Razin SV. Segregation of α - and β -Globin Gene Cluster in Vertebrate Evolution: Chance or Necessity? *Biochemistry (Mosc)*. 2022 Sep;87(9):1035-1049.
2. Razin SV, Ioudinkova ES, Kantidze OL, Iarovaia OV. Co-Regulated Genes and Gene Clusters. *Genes (Basel)*. 2021 Jun 11;12(6):907.
3. Iarovaia OV, Ioudinkova ES, Velichko AK, Razin SV. Manipulation of Cellular Processes via Nucleolus Hijacking in the Course of Viral Infection in Mammals. *Cells*. 2021 Jun 25;10(7):1597.
4. Razin SV, Gavrilov AA, Iarovaia OV. Modification of Nuclear Compartments and the 3D Genome in the Course of a Viral Infection. *Acta Naturae*. 2020 Oct-Dec;12(4):34-46.
5. Petrova NV, Klimenko NS, Kovina AP, Ioudinkova ES, Gavrilov AA, Iarovaia OV, Razin SV. Mechanisms mediating suppression of globin gene transcription in *Danio rerio* nonerythroid cells. *Biochimie*. 2021 Feb;181:96-99.
6. Iarovaia OV, Minina EP, Sheval EV, Onichtchouk D, Dokudovskaya S, Razin SV, Vassetzky YS. Nucleolus: A Central Hub for Nuclear Functions. *Trends Cell Biol*. 2019 Aug;29(8):647-659.
7. Iarovaia OV, Ioudinkova ES, Razin SV, Vassetzky YS. Role of the Nucleolus in Rearrangements of the IGH Locus. *Mol Biol (Mosk)*. 2018 Mar-Apr;52(2):210-219.
8. Sall FB, Germini D, Kovina AP, Ribrag V, Wiels J, Toure AO, Iarovaia OV, Lipinski M, Vassetzky Y. Effect of Environmental Factors on Nuclear Organization and Transformation of Human B Lymphocytes. *Biochemistry (Mosc)*. 2018 Apr;83(4):402-410.

2. Судариков Андрей Борисович

Ученая степень: доктор биологических наук

Ученое звание: —

Научная специальность: 14.01.21 — «Гематология и переливание крови»

Должность: Заведующий лабораторией молекулярной гематологии

Место работы: ФГБУ «НМИЦ Гематологии» Минздрава России

Адрес места работы: Москва, Новый Зыковский проезд, д. 4

Тел.: —

E-mail: dusha@blood.ru

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

1. V. Gorodetskiy, Y. Sidorova, B. Biderman, N. Kupryshina, N. Ryzhikova, and A. Sudarikov. Stat3 mutations in “gray-zone” cases of t-cell large granular lymphocytic leukemia associated with autoimmune rheumatic diseases. *Frontiers of medicine*, (9), 2022.
2. Vadim Gorodetskiy, Vladimir Vasilyev, Yulia Sidorova, Bella Biderman, Natalia Kupryshina, Murad Vagida, Natalya Ryzhikova, and Andrey Sudarikov. Clinical study of the relationship between sjögren syndrome and t-cell large granular lymphocytic leukemia: Single-center experience. *International Journal of Molecular Sciences*, 23(21):13345, 2022.
3. Natalya Risinskaya, Yana Kozhevnikova, Olga Gavrilina, Julia Chabaeva, Ekaterina Kotova, Anna Yushkova, Galina Isinova, Ksenija Zarubina, Tatiana Obukhova, Sergey Kulikov, Hunan Julhakyian, Andrey Sudarikov, and Elena Parovichnikova. Loss of heterozygosity in the tumor DNA of de novo

- diagnosed patients is associated with poor outcome for b-ALL but not for t-ALL. *Genes*, 13(3):398, 2022.
4. B. V. Biderman, E. B. Likold, S. Yu Smirnova, E. A. Nikitin, D. A. Koroleva, E. E. Zvonkov, L. S. Al-Radi, H. L. Julhakyanyan, and A. B. Sudarikov. Repertoire of rearranged immunoglobulin heavy chain genes in russian patients with b-cell lymphoproliferative diseases. *CLINICAL LYMPHOMA MYELOMA & LEUKEMIA*, 2021.
 5. Vadim Gorodetskiy, Natalya Probatova, Yulia Sidorova, Natalia Kupryshina, Tatiana Obukhova, Vladimir Vasilyev, Natalya Ryzhikova, and Andrey Sudarikov. The non-leukemic t cell large granular lymphocytic leukemia variant with marked splenomegaly and neutropenia in the setting of rheumatoid arthritis - felty syndrome and hepatosplenic t cell lymphomamask. *American journal of blood research*, 11(3):227–237, 2021.
 6. Vadim R. Gorodetskiy, Yulia V. Sidorova, Natalia A. Kupryshina, Vladimir I. Vasilyev, Natalya A. Probatova, Natalya V. Ryzhikova, and Andrey B. Sudarikov. Analysis of a single-institution cohort of patients with felty's syndrome and t-cell large granular lymphocytic leukemia in the setting of rheumatoid arthritis. *Rheumatology International*, 41:147–156, 2021.
 7. Tatiana V. Makarik, Adhamjon O. Abdullaev, Elena E. Nikulina, Svetlana A. Treglazova, Elena E. Stepanova, Irina N. Subortseva, Alla M. Kovrigina, Anait L. Melikyan, Sergei M. Kulikov, and Andrey B. Sudarikov. Low jak2 v617f allele burden in ph-negative chronic myeloproliferative neoplasms is associated with additional calr or mpl gene mutations. *Genes*, 12(4):559, 2021.
 8. Svetlana Yu Smirnova, Lyubov S. Al-Radi, Tatyana N. Moiseeva, Eduard G. Gemdzhian, Igor A. Yakutik, Hunan L. Julhakyanyan, Vyacheslav A. Novikov, Gennady M. Galstyan, and Andrey B. Sudarikov. Inhibitor of brafv600e mutation as a treatment option for hairy cell leukemia with deep neutropenia and infectious complications. *CLINICAL LYMPHOMA MYELOMA & LEUKEMIA*, 21(7):427–430, 2021.
 9. Vadim R. Gorodetskiy, Natalya Probatova, Natalia A. Kupryshina, Svetlana G. Palshina, Tatiana N. Obukhova, Yulia V. Sidorova, Natalya V. Ryzhikova, and Andrey B. Sudarikov. Simultaneous presentation of leukemic non-nodal mantle cell lymphoma and gamma-delta t-large granular lymphocytic leukemia in a patient with rheumatoid arthritis. *Cancer management and research*, pages 9449–9457, 2020.
 10. Vadim R. Gorodetskiy, Natalya A. Probatova, Dmitry M. Konovalov, Natalya V. Ryzhikova, Yulia V. Sidorova, Andrey B. Sudarikov, and Olga V. Mukhortova. Composite epstein-barr virus-positive mucosa-associated lymphoid tissue lymphoma and epstein-barr virus-negative diffuse large b-cell lymphoma in the parotid salivary gland of a patient with sjögren's syndrome and rheumatoid arthritis: a case report. *Journal of Medical Case Reports*, 14(1):12, 2020.

3. Замятнин Андрей Александрович

Ученая степень: доктор биологических наук

Ученое звание: доцент

Научная(ые) специальность(и): 03.01.03 — «Молекулярная биология» и 03.02.02 — «Вирусология»

Должность: профессор кафедры биологической химии, директор Института молекулярной медицины

Место работы: ФГАОУ ВО Первый МГМУ им. И. М. Сеченова Минздрава России (Сеченовский Университет)

Адрес места работы: 119991, г. Москва, ул. Трубецкая, д. 8, стр. 2

Тел.: —

E-mail: zamyatnin_a_a@staff.sechenov.ru

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

1. Zamyatnin Andrey A., Gregory Levy C., Townsend Paul A., Soond Surinder M. Beyond basic research: the contribution of cathepsin B to cancer development, diagnosis and therapy в журнале Expert Opinion on Therapeutic Targets, издательство Ashley Publications Ltd. (United Kingdom), 2022, том 26, № 11, с. 963-977
2. Parodi Alessandro, Kostyushev Dmitry, Brezgin Sergey, Kostyusheva Anastasiya, Borodina Tatiana, Akasov Roman, Frolova Anastasia, Chulanov Vladimir, Zamyatnin Andrey A. Biomimetic approaches for targeting tumor-promoting inflammation в журнале Seminars in Cancer Biology, издательство Academic Press (United States), 2022, том 86, с. 555-567

3. Rezaei Mahnaz, Danilova Natalia D., Soltani Mozhdeh, Savvateeva Lyudmila V., Tarasov Vadim V., Ganjalikhani-Hakemi Mazdak, Bazhin Alexandr V., Zamyatnin Andrey A. Cancer Vaccine in Cold Tumors: Clinical Landscape, Challenges, and Opportunities в журнале Current Cancer Drug Targets, издательство Bentham Science Publishers (Netherlands), 2022, том 22, № 6, с. 437-453
4. Soond Surinder M., Zamyatnin Andrey A. Helicobacter pylori and gastric cancer: a lysosomal protease perspective в журнале Gastric Cancer, издательство Springer Verlag (Germany), 2022, том 25, № 2, с. 306-324
5. Townsend Paul A., Kozhevnikova Maria V., Cexus Olivier N.F., Zamyatnin Andrey A., Soond Surinder M. BH3-mimetics: recent developments in cancer therapy в журнале Journal of Experimental and Clinical Cancer Research, издательство Associazione Promozione studi immunologia dei Tumori (Italy), 2021, том 40.
6. Shlyapnikov Yuri M., Malakhova Ekaterina A., Vinarov Andrey Z., Zamyatnin Andrey A., Shlyapnikova Elena A. Can new immunoassay techniques improve bladder cancer diagnostics With protein biomarkers? в журнале Frontiers in Molecular Biosciences, издательство Frontiers Media S.A. (Lausanne, Switzerland), 2021, том 7
7. Rudzińska Magdalena, Daglioglu Cenk, Savvateeva Lyudmila V., Kaci Fatma Necmiye, Antoine Rodolphe, Zamyatnin Jr Andrey A. Current Status and Perspectives of Protease Inhibitors and Their Combination with Nanosized Drug Delivery Systems for Targeted Cancer Therapy в журнале Drug Design, Development and Therapy, издательство Dove Medical Press Ltd (New Zealand), 2021, том 15, с. 9-20
8. Rudzińska M., Parodi A., Maslova VD, Efremov YM, Gorokhovets NV, Makarov VA, Popkov VA, Golovin AV, Zernii EY, Zamyatnin AA. Cysteine Cathepsins Inhibition Affects Their Expression and Human Renal Cancer Cell Phenotype в журнале Cancers, издательство MDPI (Basel, Switzerland), 2020, том 12, № 5, с. 1310
9. Soond Surinder M., Savvateeva Lyudmila V., Makarov Vladimir A., Gorokhovets Neonila V., Townsend Paul A., Zamyatnin Andrey A. Making Connections: p53 and the Cathepsin Proteases as Co-Regulators of Cancer and Apoptosis в журнале Cancers, издательство MDPI (Basel, Switzerland), 2020, том 12, № 11, с. 3476-3476
10. Zamyatnin AA Jr. Thematic Issue: Immuno-Oncology and Immunotherapy в журнале Biochemistry (Moscow), издательство Pleiades Publishing, Ltd (Road Town, United Kingdom), 2019, том 84, № 7, с. 693-694

Ученый секретарь диссертационного совета МГУ.015.4
Т.В. Комарова

Подпись, печать