

ПУБЛИКАЦИИ

официального оппонента доктора биологических наук

Ермолаевой Светланы Александровны, Федерального государственного бюджетного учреждения «Федеральный научно-исследовательский центр эпидемиологии и микробиологии имени почетного академика Н.Ф. Гамалеи» Министерства здравоохранения Российской Федерации, лаборатория экологии возбудителей инфекций, руководитель лаборатории, г. Москва, в области исследований, соответствующей кандидатской диссертации **Вагайской Анастасии Сергеевны** на тему: «Бактериальные тени *Yersinia pestis*»

ул. Гамалеи, дом 18

г. Москва, 123098 тел.: 8(499)193-30-01

drermolaeva@mail.ru

1. Andriyanov, P.A. The first detection of two *Aeromonas* strains in mice of the genus *Apodemus* / P.A. Andriyanov, D.D. Kashina, E.A. Liskova, P.A. Zhurilov, A.I. Tutrina, **S.A. Ermolaeva**, O.I. Zakharova, A.A. Blokhin // Scientific Reports. – 2023. – Vol. 13. – No. 1. – P. 4315.
2. Ермолаева, С.А. Распространение антимикробной устойчивости среди клинических и пищевых изолятов *Listeria monocytogenes*, выделенных в Москве в 2019-2021 гг / **Р.А. Ермолаева**, Vol.И. Карпова, П.А. Андриянов, П.А. Журилов, О.Л. Воронина, Н.Н. Рыжова, Е.И. Аксенова, М.Р. Кунда, Е.А. Лискова, О.А. Груздева, Е.А. Климова, Е.А. Посуховский, Г.Н. Кареткина, А.Р. Мелкумян, О.Е. Орлова, Е.Н. Бурмистрова, Vol.В. Пронина, И.Р. Тартаковский // Клиническая микробиология и антимикробная химиотерапия. – 2022. – Vol. 24. – No. 2. – P. 156-164.
3. Kravchenko, S.V. Multiple antimicrobial effects of hybrid peptides synthesized based on the sequence of ribosomal S1 protein from *Staphylococcus aureus* / S.V. Kravchenko, P.A. Domnin, **S.A. Ermolaeva**, S.Y. Grishin, A.V. Panfilov, A.K. Surin, A.V. Glyakina, O.V. Galzitskaya, V.N. Azev, L.G. Mustaeva, E.Y. Gorbunova, M.I. Kobayakova, R.S. Fadeev // International journal of molecular sciences. – 2022. – Vol. 23. – No. 1. – P. 524.
4. Galzitskaya, O.V. Amyloidogenic peptides: new class of antimicrobial peptides with the novel mechanism of activity / O.V. Galzitskaya, S.R. Kurpe, A.V. Panfilov, A.V. Glyakina, S.Y. Grishin, A.K. Surin, A.P. Kochetov, V.N. Azev, E.I. Deryusheva, A.V. Machulin, S.V. Kravchenko, P.A. Domnin, **S.A. Ermolaeva** // International Journal of Molecular Sciences. – 2022. – Vol. 23. – No. 10. – P. 5463.
5. Domnin, P.A. Combined impact of magnetic force and spaceflight conditions on *Escherichia coli* physiology / P.A. Domnin, **S.A. Ermolaeva**, V.A. Parfenov, S.V. Petrov, E.V. Koudan, A.A. Levin, F.D. Pereira, V.A. Mironov, Y.D. Khesuani, A.S. Kononikhin, A.G. Brzhozovskiy, E.N. Nikolaev, N.V. Shevlyagina, V.G. Zhukhovitsky, A.Yu. Arkhipova, A.M. Moysenovich, E.S. Lobakova, E.K. Nezhurina, P.A. Karalkin, A.E. Bugrova et al. // International Journal of Molecular Sciences. – 2022. – Vol. 23. – No. 3. – P. 1837.
6. Abdulkadieva, M.M. Strain specific motility patterns and surface adhesion of virulent and probiotic *Escherichia coli* / M.M. Abdulkadieva, E.V. Vasilieva, M.M. Vasiliev, O.F. Petrov, Y.M. Stanishevskiy, E.V. Sysolyatina, P.A. Domnin, **S.A. Ermolaeva**, A.I. Gusarov, D.A. Slonova // Scientific Reports. – 2022. – Vol. 12. – No. 1. – P. 614.
7. Chalenko, Y. *Listeria monocytogenes* Invasion Into Sheep Kidney Epithelial Cells Depends on InlB, and Invasion Efficiency Is Modulated by Phylogenetically Defined InlB Isoforms / Y. Chalenko, E. Kalinin, **S. Ermolaeva**, O. Kolbasova, E. Pivova, O. Povolyaeva, D. Kolbasov, M. Abdulkadieva // Frontiers in Microbiology. – 2022. – Vol. 13. – P. 825076.
8. Rakitin, A.L. Evaluation of antibiotic resistance of *Salmonella* serotypes and whole-genome sequencing of multiresistant strains isolated from food products in Russia / A.L. Rakitin, A.V. Beletskiy, T.V. Kolganova, A.V. Mardanov, Y.K. Yushina, E.V. Zaiko, D.S. Bataeva, O.A. Kuznetsova,

A.A. Semenova, **S.A. Ermolaeva**, S.O. Shapovalov, T.E. Tkachik // Antibiotics. – 2021. – Vol. 11. – No. 1. – P. 1.

9. Andriyanov, P.A. Antimicrobial Resistance and Comparative Genomic Analysis of *Elizabethkingia anophelis* subsp. *endophytica* Isolated from Raw Milk / P.A. Andriyanov, P.A. Zhurilov, D.D. Kashina, A.I. Tutrina, E.A. Liskova, I.V. Razheva, **S.A. Ermolaeva**, D.V. Kolbasov // Antibiotics. – 2022. – Vol. 11. – No. 5. – P. 648.

10. Grishin, S.Y. Is It Possible to Create Antimicrobial Peptides Based on the Amyloidogenic Sequence of Ribosomal S1 Protein of *P. aeruginosa*? / S.Y. Grishin, A.K. Surin, S.R. Kurpe, O.V. Galzitskaya, P.A. Domnin, **S.A. Ermolaeva**, S.V. Kravchenko, A.S. Vasilchenko, V.N. Azev, L.G. Mustaeva, E.Y. Gorbunova, M.I. Kobayakova, R.S. Fadeev, M.A. Makarova, V.V. Firstova // International Journal of Molecular Sciences. – 2021. – Vol. 22. – No. 18. – P. 9776.

11. Andriyanov, P.A. Antimicrobial resistance of *listeria monocytogenes* strains isolated from humans, animals, and food products in russia in 1950–1980, 2000–2005, and 2018–2021 / P.A. Andriyanov, P.A. Zhurilov, E.A. Liskova, E.V. Sokolova, E.K. Psareva, **S.A. Ermolaeva**, T.I. Karpova, O.L. Voronina, I.S. Tartakovskiy, Y.K. Yushina, E.V. Zaiko, D.S. Bataeva, D.V. Kolbasov // Antibiotics. – 2021. – Vol. 10. – No. 10. – P. 1206.

12. Psareva, E.K. Diversity of *Listeria monocytogenes* strains isolated from food products in the central European part of Russia in 2000–2005 and 2019–2020 / E.K. Psareva, E.A. Liskova, I.V. Razheva, N.A. Gladkova, E.A. Potemkin, P.A. Zhurilov, E.V. Sokolova, P.A. Andriyanov, **S.A. Ermolaeva**, Y.K. Yushina, M.A. Grudistova, O.L. Voronina, D.V. Kobasov // Foods. – 2021. – Vol. 10. – No. 11. – P. 2790.

13. Domnin, P. An in vitro model of nonattached biofilm-like bacterial aggregates based on magnetic levitation / P. Domnin, A. Arkhipov, E. Sysolyatina, A. Mukhachev, A. Gusarov, **S. Ermolaeva**, M. Moisenovich, S. Petrov, V. Parfenov, P. Karalkin, Y. Khesuani // Applied and Environmental Microbiology. – 2020. – Vol. 86. – No. 18. – P. e01074-20.

14. Kalinin, E.V. Bacterial hepatocyte growth factor receptor agonist stimulates hepatocyte proliferation and accelerates liver regeneration in a partial hepatectomy rat model / E.V. Kalinin, Y.M. Chalenko, E.V. Sysolyatina, A.M. Gusarov, A.Y. Mukhachev, K.A. Sobyenin, **S.A. Ermolaeva**, Y.M. Stanishevskiy, K.Y. Midiber, L.M. Mikhaleva, O.I. Kechko, A.A. Kulikova, V.A. Mitkevich // Drug Development Research. – 2021. – Vol. 82. – No. 1. – P. 123-132.

15. Sysolyatina, E.V. Bidirectional mass transfer-based generation of plasma-activated water mist with antibacterial properties / E.V. Sysolyatina, E.V. Vasilieva, **S.A. Ermolaeva**, A.Y. Lavrikova, R.A. Loleyt, A.V. Sofronov, M.A. Abdulkadieva // Plasma Processes and Polymers. – 2020. – Vol. 17. – No. 10. – P. 2000058.

16. Slonova, D. Human short peptidoglycan recognition protein PGLYRP1/Tag-7/PGRP-S inhibits *Listeria monocytogenes* intracellular survival in macrophages / D. Slonova, K. Severinov, A. Posvyatenko, A. Kibardin, E. Lyssuk, S. Larin, E. Sysolyatina, **S. Ermolaeva**, S. Obydennyi, N. Gnuchev, G. Georgiev // Frontiers in cellular and infection microbiology. – 2020. – Vol. 10. – P. 582803.

17. Povolyaeva, O. *Listeria monocytogenes* infection of bat *Pipistrellus nathusii* epithelial cells depends on the invasion factors InlA and InlB / O. Povolyaeva, O. Kolbasova, E. Pivova, D. Kolbasov, S. Yurkov, Y. Chalenko, **S. Ermolaeva**, E. Kalinin // Pathogens. – 2020. – Vol. 9. – No. 11. – P. 867.

18. Pushkareva, V.I. Experimental *Listeria–Tetrahymena–Amoeba* food chain functioning depends on bacterial virulence traits / V.I. Pushkareva, **S.A. Ermolaeva**, J.I. Podlipaeva, A.V. Goodkov // BMC ecology. – 2019. – Vol. 19. – P. 1-10.

19. Chalenko, Y. Phylogenetically defined isoforms of *Listeria monocytogenes* invasion factor InlB differently activate intracellular signaling pathways and interact with the receptor gC1q-R / Y. Chalenko, E. Kalinin, E. Sysolyatina, K. Sobyenin, **S. Ermolaeva**, V. Marchenkov, A. Surin // International Journal of Molecular Sciences. – 2019. – Vol. 20. – No. 17. – P. 4138.

20. Rakovskaya, I.V. Microcolonies: a novel morphological form of pathogenic *Mycoplasma* spp / I.V. Rakovskaya, **S.A. Ermolaeva**, G.A. Levina, O.I. Barkhatova, A.Y. Mukhachev, S.G. Andreevskaya, V.G. Zhukhovitsky, L.G. Gorina, G.G. Miller, E.V. Sysolyatina // *Journal of Medical Microbiology*. – 2019. – Vol. 68. – No 12. – P. 1747-1758.
21. Nikitin, D. Cu nanoparticles constrain segmental dynamics of cross-linked polyethers: A trade-off between non-fouling and antibacterial properties / D. Nikitin, P. Pleskunov, R. Tafiichuk, A. Shelemin, J. Hanuš, A. Choukourov, S. Madkour, A. Schönhals, I. Gordeev, E. Sysolyatina, A. Lavrikova, **S. Ermolaeva**, V. Titov // *Soft Matter*. – 2019. – Vol. 15. – No. 13. – P. 2884-2896.
22. Psareva, E.K. Retrospective Study of *Listeria monocytogenes* Isolated in the Territory of Inner Eurasia from 1947 to 1999 / E.K. Psareva, E.A. Liskova, I.V. Razheva, N.A. Gladkova, E.V. Sokolova, E.A. Potemkin, P.A. Zhurilov, A.A. Blokhin, Y.M. Chalenko, **S.A. Ermolaeva**, I.Y. Egorova, D.V. Kolbasov, T.V. Mikhaleva // *Pathogens*. – 2019. – Vol. 8. – No. 4. – P. 184.
23. Chalenko, Y. Hepatoprotective Activity of InlB321/15, the HGFR Ligand of Bacterial Origin, in CCl₄-Induced Acute Liver Injury Mice / Y. Chalenko, K. Sobyenin, E. Sysolyatina, K. Midiber, E. Kalinin, A. Lavrikova, **S. Ermolaeva** // *Biomedicines*. – 2019. – Vol. 7. – No. 2. – P. 29.