

## Сведения о ведущей организации

Полное наименование организации	Федеральное государственное бюджетное учреждение науки Институт биологии гена Российской академии наук
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Список основных публикаций работников организации по теме диссертации за последние 5 лет (не более 15)	<ol style="list-style-type: none"> <li>1. Ilyin, A.A., Kononkova, A.D., Golova, A.V., Shloma, V.V., Olenkina, O.M., Nenasheva, V.V., Abramov, Y.A., Kotov, A.A., Maksimov, D.A., Laktionov, P.P. and Pindyurin, A.V., 2022. Comparison of genome architecture at two stages of male germline cell differentiation in <i>Drosophila</i>. <i>Nucleic Acids Research</i>.</li> <li>2. Rusanova, A., Fedorchuk, V., Toshchakov, S., Dubiley, S. and Sutormin, D., 2022. An Interplay between Viruses and Bacteria Associated with the White Sea Sponges Revealed by Metagenomics. <i>Life</i>, 12(1), p.25.</li> <li>3. Ivanova, V., Chernevskaya, E., Vasiluev, P., Ivanov, A., Tolstogonov, I., Shafranskaya, D., Ulyantsev, V., Korobeynikov, A., Razin, S., Beloborodova, N. and Ulianov, S., 2022. Hi-C metagenomics in the ICU: exploring clinically relevant features of gut microbiome in chronically critically ill patients. <i>Frontiers in Microbiology</i>, p.3935.</li> <li>4. Dimitriu, T., Kurilovich, E., Łapińska, U., Severinov, K., Pagliara, S., Szczelkun, M.D. and Westra, E.R., 2021. Bacteriostatic antibiotics promote CRISPR-Cas adaptive immunity by enabling increased spacer acquisition. <i>Cell host &amp; microbe</i>.</li> <li>5. Travin, D.Y., Severinov, K. and Dubiley, S., 2021. Natural Trojan horse inhibitors of aminoacyl-tRNA synthetases. <i>RSC Chemical Biology</i>, 2(2), pp.468-485.</li> <li>6. Grigoreva, A., Andreeva, J., Bikmetov, D., Rusanova, A., Serebryakova, M., Garcia, A.H., Slonova, D., Nair, S.K., Lippens, G., Severinov, K. and Dubiley, S., 2021. Identification and characterization of andalusicin: N-terminally dimethylated class III lantibiotic from <i>Bacillus thuringiensis</i> sv. <i>andalousiensis</i>. <i>Iscience</i>, 24(5), p.102480.</li> <li>7. Razin SV, Ioudinkova ES, Kantidze OL, Iarovaia OV. Co-Regulated Genes and Gene Clusters. <i>Genes</i>. 2021 Jun;12(6):907.</li> <li>8. Ulianov SV, Razin SV. The two waves in single-cell 3D genomics. <i>In Seminars in Cell &amp; Developmental Biology 2021</i></li> </ol>

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9. Kos, P.I., Galitsyna, A.A., Ulianov, S.V., Gelfand, M.S., Razin, S.V. and Chertovich, A.V., 2021. Perspectives for the reconstruction of 3D chromatin conformation using single cell Hi-C data. *PLoS computational biology*, 17(11), p.e1009546.
10. Edwards, R.A., Vega, A.A., Norman, H.M., Ohaeri, M., Levi, K., Dinsdale, E.A., Cinek, O., Aziz, R.K., McNair, K., Barr, J.J. and Bibby, K., 2019. Global phylogeography and ancient evolution of the widespread human gut virus crAssphage. *Nature microbiology*, 4(10), pp.1727-1736.
11. Kashtanova, D.A., Tkacheva, O.N., Doudinskaya, E.N., Strazhesko, I.D., Kotovskaya, Y.V., Popenko, A.S., Tyakht, A.V. and Alexeev, D.G., 2018. Gut microbiota in patients with different metabolic statuses: Moscow study. *Microorganisms*, 6(4), p.98.
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