# Сведения о ведущей организации

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| 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) | 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 Drosophila. *Nucleic Acids Research*. 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. *Life*, *12*(1), p.25. 3. Ivanova, V., Chernevskaya, E., Vasiluev, P., Ivanov, A., Tolstoganov, 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. *Frontiers in Microbiology*, p.3935. 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. *Cell host & microbe*. 5. Travin, D.Y., Severinov, K. and Dubiley, S., 2021. Natural Trojan horse inhibitors of aminoacyl-tRNA synthetases. *RSC Chemical Biology*, *2*(2), pp.468-485. 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 Bacillus thuringiensis sv. andalousiensis. *Iscience*, *24*(5), p.102480. 7. Razin SV, Ioudinkova ES, Kantidze OL, Iarovaia OV. Co-Regulated Genes and Gene Clusters. Genes. 2021 Jun;12(6):907. 8. Ulianov SV, Razin SV. The two waves in single-cell 3D genomics. InSeminars in Cell & Developmental Biology 2021 May 24. Academic Press. 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. 12. Yarygin, K., Tyakht, A., Larin, A., Kostryukova, E., Kolchenko, S., Bitner, V. and Alexeev, D., 2017. Abundance profiling of specific gene groups using precomputed gut metagenomes yields novel biological hypotheses. *PLoS One*, *12*(4), p.e0176154. 13. Tsibulskaya, D., Mokina, O., Kulikovsky, A., Piskunova, J., Severinov, K., Serebryakova, M. and Dubiley, S., 2017. The product of Yersinia pseudotuberculosis mcc operon is a peptide-cytidine antibiotic activated inside producing cells by the TldD/E protease. *Journal of the American Chemical Society*, *139*(45), pp.16178-16187. |