

Список публикаций ведущей организации

Федеральное государственное бюджетное учреждение науки Институт проблем передачи информации им А.А. Харкевича Российской академии наук (ИППИ РАН)
по теме диссертации в рецензируемых научных изданиях за 2015–2019 гг.

1. Zverkov O.A., Mikhailov K.V., Isaev S.V., Rusin L.Y., Popova O.V., Logacheva M.D., Penin A.A., Moroz L.L., Panchin Y.V., Lyubetsky V.A., Aleoshin V.V. Dicyemida and Orthonectida: Two stories of body plan simplification // *Frontiers in Genetics*. 2019. V. 10. Article number: 443.
2. Mikhailov K.V., Efeykin B.D., Panchin A.Y., Knorre D.A., Logacheva M.D., Penin A.A., Muntyan M.S., Nikitin M.A., Popova O.V., Zanagina O.N., Vysokikh M.Y., Spiridonov S.E., Aleoshin V.V., Panchin Y.V. Coding palindromes in mitochondrial genes of Nematomorpha // *Nucleic Acids Research*. 2019. V. 47, № 13. P. 6858–6870.
3. Panchin A.Y., Aleoshin V.V., Panchin Y.V. From tumors to species: a SCANDAL hypothesis // *Biology Direct*. 2019. V. 14, № 1. Article number: 3.
4. Korotkova D.D., Lyubetsky V.A., Ivanova A.S., Rubanov L.I., Seliverstov A.V., Zverkov O.A., Martynova N.Y., Nesterenko A.M., Tereshina M.B., Peshkin L., Zaraisky A.G. Bioinformatics screening of genes specific for well-regenerating vertebrates reveals *c-Answer*, a regulator of brain development and regeneration // *Cell Reports*. 2019. V. 29, № 4. P. 1027–1040.
5. Rubanov L.I., Zaraisky A.G., Shilovsky G.A., Seliverstov A.V., Zverkov O.A., Lyubetsky V.A. Screening for mouse genes lost in mammals with long lifespans // *BioData Mining*. 2019. V. 12. Article number: 20.
6. Kiryukhina O.O., Gaynullina D.K., Panchin Y.V., Shestopalov V.I., Tarasova O.S. Alterations of the purinergic regulation in mesenteric arteries of pannexin-1-knockout mice // *Biochemistry, Supplemental Series A*. 2018. V. 12, № 1. P. 62–69.
7. Mikhailov K.V., Simdyanov T.G., Aleoshin V.V. Genomic survey of a hyperparasitic microsporidian *Amphiamblys* sp. // *Genome Biology and Evolution*. 2017. V. 9, № 3. P. 454–467.
8. Gershgorin R.A., Gorbunov K.Y., Zverkov O.A., Rubanov L.I., Seliverstov A.V., Lyubetsky V.A. Highly conserved elements and chromosome structure evolution in mitochondrial genomes in ciliates // *Life (Basel)*. 2017. V. 9, № 3. Article number: 9.
9. Gorbunov K.Y. Chromosome structures: reduction of certain problems with unequal gene content and gene paralogs to integer linear programming // *BMC Bioinformatics*. 2017. V. 18. Article number: 537.
10. Kovalzon V.M., Moiseenko L.S., Ambaryan A.V., Kurtenbach S., Shestopalov V.I., Panchin Y.V. Sleep-wakefulness cycle and behavior in pannexin1 knockout mice // *Behavioural Brain Research*. 2017. V. 318. P. 24–27.
11. Popova O.V., Mikhailov K.V., Nikitin M.A., Logacheva M.D., Penin A.A., Muntyan M.S., Kedrova O.S., Petrov N.B., Panchin Yu V., Aleoshin V.V. Mitochondrial genomes of Kinorhyncha: trnM duplication and new gene orders within animals // *PLoS ONE*. 2016. V. 11, № 10. Article number: e0165072.
12. Mikhailov K.V., Slyusarev G.S., Nikitin M.A., Logacheva M.D., Penin A.A., Aleoshin V.V., Panchin Y.V. The genome of *Intoshia linei* affirms orthonectids as highly simplified spiralian // *Current Biology*. 2016. V. 26, № 13. P. 1768–1774.
13. Romanova E.V., Aleoshin V.V., Kamaltynov R.M., Mikhailov K.V., Logacheva M.D., Sirotinina E.A., Gornov A.Y., Anikin A.S., Sherbakov D.Y. Evolution of mitochondrial genomes in Baikalian amphipods // *BMC Genomics*. 2016. V. 17. Article number: 1016.
14. Rusin L.Y. Metagenomics and biodiversity of sphagnum bogs // *Molecular Biology*. 2016. V. 50, № 5. P. 730–734.
15. Gorbunov K.Y., Gershgorin R.A., Lyubetsky V.A. Rearrangement and inference of chromosome structures // *Molecular Biology*. 2015. V. 49, № 3. P. 327–338.