

Сведения об официальном оппоненте

по диссертации Манахова Андрея Дмитриевича
«Геномный анализ представителей семейства куньих (Mustelidae)»,
представленной на соискание ученой степени кандидата биологических
наук по специальности 1.5.7. – генетика.

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Список опубликованных работ к.б.н. Фишмана Вениамина Семеновича по специальности 1.5.7 – генетика за 2018–2021 гг.

1. Beklemisheva VR, Belokopytova PS, Fishman VS, Menzorov AG. Derivation of Ringed Seal (*Phoca hispida*) Induced Multipotent Stem Cells. *Cell Reprogram*. 2021;23(6):326-335. doi:10.1089/cell.2021.0037
2. Ivanoshchuk DE, Shakhtshneider EV, Rymar OD, Ovsyannikova AK, Mikhailova SV, Fishman VS, Valeev ES, Orlov PS, Voevoda MI. The Mutation Spectrum of Maturity Onset Diabetes of the Young (MODY)-Associated Genes among Western Siberia Patients. *J Pers Med*. 2021;11(1). doi:10.3390/jpm11010057
3. Gridina M, Mozheiko E, Valeev E, Nazarenko LP, Lopatkina ME, Markova ZG, Yablonskaya MI, Voinova VYu, Shilova NV, Lebedev IN, Fishman V. A cookbook for DNase Hi-C. *Epigenetics Chromatin*. 2021;14(1):15. doi:10.1186/s13072-021-00389-5

4. Vasilyev SA, Skryabin NA, Kashevarova AA, Tolmacheva EN., Savchenko RR., Vasilyeva OYu., Lopatkina ME., Zarubin AA., Fishman VS., Belyaeva EO., Filippova MO., Shorina AR., Maslennikov AB., Shestovskikh OL., Gayner TA., Culic V, Vulic R, Nazarenko LP., Lebedev IN. Differential DNA Methylation of the IMMP2L Gene in Families with Maternally Inherited 7q31.1 Microdeletions is Associated with Intellectual Disability and Developmental Delay. *Cytogenet Genome Res.* 2021;161(3-4):105-119. doi:10.1159/000514491
5. Belokopytova PS, Nuriddinov MA, Mozheiko EA, Fishman D, Fishman V. Quantitative prediction of enhancer-promoter interactions. *Genome Res.* 2020;30(1):72-84. doi:10.1101/gr.249367.119
6. Belokopytova P, Fishman V. Predicting Genome Architecture: Challenges and Solutions. *Front Genet.* 2020;11:617202. doi:10.3389/fgene.2020.617202
7. Krasheninina OA, Fishman VS., Lomzov AA, Ustinov AV, Venyaminova AG. Postsynthetic On-Column 2' Functionalization of RNA by Convenient Versatile Method. *Int J Mol Sci.* 2020;21(14). doi:10.3390/ijms21145127
8. Smirnov A, Fishman V., Yunusova A, Korablev A, Serova I, Skryabin BV, Rozhdestvensky TS, Battulin N. DNA barcoding reveals that injected transgenes are predominantly processed by homologous recombination in mouse zygote. *Nucleic Acids Res.* 2020;48(2):719-735. doi:10.1093/nar/gkz1085
9. Savchenko RR, Vasilyev SA, Fishman VS., Sukhikh E.S., Sukhikh LG., Murashkin AA., Lebedev IN. Effect of the THBS1 Gene Knockout on the Radiation-Induced Cellular Response in a Model System In Vitro. *Russian Journal of Genetics.* 2020;56(5):618-626. doi:10.1134/S1022795420050129
10. Mozheiko EA, Fishman VS. Detection of Point Mutations and Chromosomal Translocations Based on Massive Parallel Sequencing of Enriched 3C Libraries. *Russian Journal of Genetics.* 2019;55(10):1273-1281. doi:10.1134/S1022795419100089
11. Fishman V., Battulin N, Nuriddinov M, Maslova A, Zlotina A, Strunov A, Chervyakova D, Korablev A, Serov O, Krasikova A. 3D organization of chicken genome demonstrates evolutionary conservation of topologically associated domains and highlights unique architecture of erythrocytes' chromatin. *Nucleic Acids Res.* 2019;47(2):648-665. doi:10.1093/nar/gky1103
12. Pristyazhnyuk IE, Minina J, Korablev A, Serova I, Fishman V., Gridina M, Rozhdestvensky TS, Gubar L, Skryabin BV, Serov OL. Time origin and

structural analysis of the induced CRISPR/cas9 megabase-sized deletions and duplications involving the *Cntn6* gene in mice. *Sci Rep.* 2019;9(1):14161. doi:10.1038/s41598-019-50649-4

13. Menzorov AG, Orishchenko KE, Fishman VS, Shevtsova AA, Mungalov RV, Pristyazhnyuk IE, Kizilova EA, Matveeva NM, Alenina N, Bader M, Rubtsov NB, Serov OL. Targeted genomic integration of EGFP under tubulin beta 3 class III promoter and mEos2 under tryptophan hydroxylase 2 promoter does not produce sufficient levels of reporter gene expression. *J Cell Biochem.* 2019;120(10):17208-17218. doi:10.1002/jcb.28981
14. Kashevarova AA, Nazarenko LP, Skryabin NA, Nikitina TV, Vasilyev SA, Tolmacheva EN, Lopatkina ME, Salyukova OA, Chechetkina NN, Vorotelyak EA, Kalabusheva EP, Fishman VS, Kzhyshkowska J, Graziano C, Magini P, Romeo G, Lebedev IN. A mosaic intragenic microduplication of LAMA1 and a constitutional 18p11.32 microduplication in a patient with keratosis pilaris and intellectual disability. *Am J Med Genet A.* 2018;176(11):2395-2403. doi:10.1002/ajmg.a.40478
15. Gridina MM, Matveeva NM, Fishman VS, Menzorov AG, Kizilova HA, Beregovoy NA, Kovrigin II, Pristyazhnyuk IE, Oscorbin IP, Filipenko ML, Kashevarova AA, Skryabin NA, Nikitina TV, Sazhenova EA, Nazarenko LP, Lebedev IN, Serov OL. Allele-Specific Biased Expression of the CNTN6 Gene in iPS Cell-Derived Neurons from a Patient with Intellectual Disability and 3p26.3 Microduplication Involving the CNTN6 Gene. *Mol Neurobiol.* 2018;55(8):6533-6546. doi:10.1007/s12035-017-0851-5