

Список публикаций по теме оппонируемой диссертации (2021-2026 гг.)

д.б.н. **Васильев Станислав Анатольевич**, заместитель директора по научно-технологическому развитию Томского национального исследовательского медицинского центра Российской академии наук (Томского НИМЦ), в.н.с., рук. лаборатории инструментальной геномики НИИ медицинской генетики Томский НИМЦ (г. Томск)

1. Tolmacheva E.N., Zhigalina D.I., Vasilyeva O.Yu., Demeneva V.V., Filatova S.A., Shevtsov D.G., Fonova E.A., Sazhenova E.A., Nikitina T.V., Lebedev I.N., **Vasilyev S.A.** Genes with abnormal DNA methylation in chorionic villi of spontaneous abortions with monosomy X // J Assist Reprod Genet. 2026; 43(2):485-502. doi: 10.1007/s10815-025-03764-3.
2. Babay T.S., **Vasilyev S.A.** Modern methods of DNA probe synthesis for fluorescence in situ hybridization (FISH): technologies and applications // Bulletin of Siberian Medicine. 2025; 24(4): 111-119. DOI: 10.20538/1682-0363-2025-4-111-119
3. Zhilkina M.A., Tolmacheva E.N., **Vasilyev S.A.** Transposable elements as key regulators of placental development // Vavilovskii Zhurnal Genet Selektzii. 2025; 29(5): 666-675. doi: 10.18699/vjgb-25-73
4. **Vasilyev S.A.**, Lebedev I.N. Molecular Mechanisms of Ring Chromosome Formation and Instability // Human Ring Chromosomes. 2024; Book chapter: 493-504. DOI: 10.1007/978-3-031-47530-6_33
5. Vasilyeva O.Yu., Tolmacheva E.N., Dmitriev A.E., Darkova Ya.A., Sazhenova E.A., Nikitina T.V., Lebedev I.N., **Vasilyev S.A.** Aberrant methylation of placental development genes in chorionic villi of spontaneous abortions with trisomy 16 // Vavilovskii Zhurnal Genet Selektzii. 2024; 28(2): 198-203. doi: 10.18699/vjgb-24-24.
6. **Vasilyev S.A.**, Vasilyeva O.Yu., Oppong-Peprah B., Demeneva V.V., Zuev A.S., Sazhenova E.A., Nikitina T.V., Tolmacheva E.N. Abnormal methylation of PRDM16 and PTPRN2 genes in chorionic villi in miscarriage // RUDN Journal of Medicine. 2023; 27(4): 515-531. doi: 10.22363/2313-0245-2023-27-4-515-531

7. Gridina M.M., Nurislamov A.R., Minina J.M., Lopatkina M.E., Drozdov D.V., **Vasilyev S.A.**, Minaycheva L.I., Belyaeva E.O., Nikitina T.V., Kashevarova A.A., Lebedev I.N., Karamysheva T.V., Rubtsov N.B., Serov O.L. Generation of iPS cell line (ICGi040-A) from skin fibroblasts of a patient with ring small supernumerary marker chromosome 4 // Stem Cell Research. 2022; 61:102740. doi: 10.1016/j.scr.2022.102740.
8. Tolmacheva E.N., **Vasilyev S.A.**, Nikitina T.V., Lytkina E.S., Sazhenova E.A., Zhigalina D.I., Vasilyeva O.Yu., Markov A.V., Demeneva V.V., Tashireva L.A., Kashevarova A.A., Lebedev I.N.. Identification of differentially methylated genes in first-trimester placentas with trisomy 16 // Sci Rep. 2022; 12(1): 1166. doi: 10.1038/s41598-021-04107-9.
9. **Vasilyev S.A.**, Markov A.V., Vasilyeva O.Yu., Tolmacheva E.N., Zatula L.A., Sharysh D.V., Zhigalina D.I., Demeneva V.V., Lebedev I.N. Method of targeted bisulfite massive parallel sequencing of the human LINE-1 retrotransposon promoter // MethodsX. 2021; 8:101445. doi: 10.1016/j.mex.2021.101445.
10. Lebedev I.N., Karamysheva T.V., Elisaphenko E.A., Makunin A.I., Zhigalina D.I., Lopatkina M.E., Drozdov G.V., Cheremnykh A.D., Torkhova N.B., Seitova G.N., **Vasilyev S.A.**, Kashevarova A.A., Nazarenko L.P., Rubtsov N.B. Prenatal Diagnosis of Small Supernumerary Marker Chromosome 10 by Array-Based Comparative Genomic Hybridization and Microdissected Chromosome Sequencing // Biomedicines. 2021; 9(8): 1030. doi:10.3390/biomedicines9081030.
11. **Vasilyev S.A.**, Tolmacheva E.N., Vasilyeva O.Yu., Markov A.V., Zhigalina D.I., Zatula L.A., Lee V.A., Serdyukova E.S., Sazhenova E.A., Nikitina T.V., Kashevarova A.A., Lebedev I.N. LINE-1 retrotransposon methylation in chorionic villi of first trimester miscarriages with aneuploidy // J Assist Reprod Genet. 2021; 38(1):139-149. doi: 10.1007/s10815-020-02003-1.