

## СПИСОК ПУБЛИКАЦИЙ СОТРУДНИКОВ ВЕДУЩЕЙ ОРГАНИЗАЦИИ

### ПО ТЕМЕ ОППОНИРУЕМОЙ ДИССЕРТАЦИИ

1. Makunin AI, Kichigin IG, Larkin DM, O'Brien PCM, Ferguson-Smith MA, Yang F, Proskuryakova AA, Vorobieva NV, Chernyaeva E, O'Brien SJ, Graphodatsky AS, Trifonov VA Contrasting origin of B chromosomes in two cervids (Siberian roe deer and grey brocket deer) unraveled by chromosome-specific DNA sequencing BMC Genomics 2016 7:618 DOI: 10.1186/s12864-016-2933-6
2. IS Kuznetsova; DI Ostromyshenskii; AS Komissarov; AN Prusov; IS Waisertreiger; AV Gorbunova; VA Trifonov; MA Ferguson-Smith; OI Podgornaya LINE related component of mouse heterochromatin and complex chromocenters' composition 2016 Chromosome Research 24:309–323. DOI: 10.1007/s10577-016-9525-9
3. Vladimir A. Trifonov, Svetlana S. Romanenko, Violetta R. Beklemisheva, Larisa S. Biltueva, Alexey I. Makunin, Natalia A. Lemskaya, Anastasia I. Kulemzina, Roscoe Stanyon, and Alexander S. Graphodatsky Evolutionary plasticity of acipenseriform genomes Chromosoma 2016 125(4):661-8 DOI 10.1007/s00412-016-0609-2
4. Yano CF, Bertollo LAC, Ezaz T, Trifonov V, Sember A, Liehr T Cioffi M Highly conserved Z and molecularly diverged W chromosomes in the fish genus *Triportheus* (Characiformes, Triporthidae) 2017 Heredity 118: 276-283, doi:10.1038/hdy.2016.83
5. Oliveira, E. A., Sember, A., Bertollo, L. A. C., Yano, C. F., Ezaz, T., Moreira-Filho, O., Hatanaka T, Trifonov V, Liehr T, Al-Rikabi ABH, Ráb P, Pains H, Cioffi M et al. (2018). Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/XY1Y2 system in *Hoplias malabaricus* (Teleostei, Characiformes). 2018 Chromosoma 127, 115–128. doi: 10.1007/s00412-017-0648-3
6. Andreyushkova DA, Makunin AI, Beklemisheva VR, Romanenko SA, Druzhkova AS, Biltueva LB, Serdyukova NA, Graphodatsky AS, Trifonov VA. Next generation sequencing of chromosome-specific libraries sheds light on genome evolution in paleotetraploid sterlet (*Acipenser ruthenus*). Genes 8(11): 318, 2017
7. Makunin AI, Rajičić M, Karamysheva TV, Romanenko SA, Druzhkova AS, Blagojević J, Vujošević M, Rubtsov NB, Graphodatsky AS, Trifonov VA. Low-pass single-chromosome sequencing of human small supernumerary marker chromosomes (sSMCs) and Apodemus B chromosomes. Chromosoma, 2018, doi: 10.1007/s00412-018-0662-0

8. Guselnikov SV, Baranov KO, Najakshin AM, Mechetina LV, Chikaev NA, Makunin AI, Kulemzin SV, Andreyushkova DA, Stöck M, Wuertz S, Gessner J, Warren WC, Schartl M, Trifonov VA, Taranin AV Diversity of immunoglobulin light chain genes in non-teleost ray-finned fish uncovers IgL subdivision into five ancient isotypes Front. Immunol. 2018;9: 1079. doi: 10.3389/fimmu.2018.01079
9. Makunin AI, Romanenko SA, Beklemisheva VR, Perelman PL, Druzhkova AS, Petrova KO, Chernyaeva EN, Johnson JL, Kukekova AV, Yang F, Ferguson-Smith MA, Graphodatsky AS, Trifonov VA. Sequencing of Supernumerary Chromosomes of Red Fox and Raccoon Dog Confirms a Non-Random Gene Acquisition by B Chromosomes. Genes 2018 9(8): 405.
10. Komissarov A, Vij S, Yurchenko A, Trifonov V, Thevasagayam N, Saju J, Sridatta PSR, Purushothaman K, Graphodatsky A, Orbán L, Kuznetsova I. B Chromosomes of the Asian Seabass (*Lates calcarifer*) Contribute to Genome Variations at the Level of Individuals and Populations. Genes 2018, 9(10), 464; <https://doi.org/10.3390/genes9100464>
11. Ilya G. Kichigin, Artem P. Lisachov, Massimo Giovannotti, Alex I. Makunin, Marsel R. Kabilov, Patricia CM O'Brien, Malcolm A. Ferguson-Smith, Alexander S. Graphodatsky, Vladimir A. Trifonov First report on B chromosome content in a reptilian species: the case of *Anolis carolinensis* MGG 2019 doi: 10.1007/s00438-018-1483-9.
12. Barby FF, Bertollo LAC, de Oliveira EA, Yano CF, Hatanaka T, Ráb P, Sember A, Ezaz T, Artoni RF, Liehr Th, Al-Rikabi ABH, Trifonov V, de Oliveira EHC, Molina WF, Jegede OI, Tanomtong A, Ciofi M. Emerging patterns of genome organization in Notopteridae species (Teleostei, Osteoglossiformes) as revealed by Zoo-FISH and Comparative Genomic Hybridization (CGH). Sci Rep. 2019;9: 1112. doi:10.1038/s41598-019-38617-4