

Список основных публикаций Похолковой Г.В. за 2018-2021г.

по теме оппонируемой диссертации.

1. Pokholkova GV, Demakov SA, Andreenkov OV, Andreenkova NG, Volkova EI, Belyaeva ES, Zhimulev IF. Tethering of CHROMATOR and dCTCF proteins results in decompaction of condensed bands in the *Drosophila melanogaster* polytene chromosomes but does not affect their transcription and replication timing. ([doi: 10.1371/journal.pone.0192634](https://doi.org/10.1371/journal.pone.0192634)) **PLoS ONE 13(4): e0192634, 2018**
2. Sidorenko DS, Zykova TYu, Khoroshko VA, **Pokholkova GV**, Demakov SA, Larsson J, Belyaeva ES, Zhimulev IF. Polytene chromosomes reflect functional organization of the *Drosophila* genome. ([doi: 10.18699/VJ19.474](https://doi.org/10.18699/VJ19.474)) **Вавиловский журнал генетики и селекции 23(2): 148-153, 2019**
3. Demakova OV, Demakov SA, Boldyreva LV, Zykova TYu, Levitsky VG, Semeshin VF, **Pokholkova GV**, Sidorenko DS, Goncharov FP, Belyaeva ES, Zhimulev IF. Faint gray bands in *Drosophila melanogaster* polytene chromosomes are formed by coding sequences of housekeeping genes. ([doi: 10.1007/s00412-019-00728-2](https://doi.org/10.1007/s00412-019-00728-2)) **Chromosoma 129(1): 25-44, 2020**
4. Khoroshko VA, **Pokholkova GV**, Levitsky VG, Zykova TY, Antonenko OV, Belyaeva ES, Zhimulev IF. Genes containing long introns occupy series of bands and interbands in *Drosophila melanogaster* polytene chromosomes. ([doi: 10.3390/genes11040417](https://doi.org/10.3390/genes11040417)) **Genes 11(4): 417, 2020**
5. Kolesnikova TD, Kolodyazhnaya AV, **Pokholkova GV**, Schubert V, Dovgan VV, Romanenko SA, Prokopov DYu, Zhimulev IF. Effects of mutations in the *Drosophila melanogaster* *Rif1* gene on the replication and underreplication of pericentromeric heterochromatin in salivary gland polytene chromosomes. ([doi: 10.3390/cells9061501](https://doi.org/10.3390/cells9061501)) **Cells 9(6): 1501, 2020**
6. Zykova T, Maltseva M, Goncharov F, Boldyreva L, **Pokholkova G**, Kolesnikova T, Zhimulev I. The organization of pericentromeric heterochromatin in polytene chromosome 3 of the *Drosophila melanogaster* line with the *Rif1*<sup>1</sup>; *SuUR*<sup>ES</sup> *Su(var)3-9*<sup>06</sup> mutations suppressing underreplication. ([doi: 10.3390/cells10112809](https://doi.org/10.3390/cells10112809)) **Cells 10(11): 2809, 2021**
7. Sabirov M, Kyrchanova O, **Pokholkova GV**, Bonchuk A, Klimenko N, Belova E, Zhimulev IF, Maksimenko O, Georgiev P. Mechanism and functional role of the interaction between CP190 and the architectural protein Pita in *Drosophila melanogaster*. ([doi: 10.1186/s13072-021-00391-x](https://doi.org/10.1186/s13072-021-00391-x)) **Epigenetics Chromatin 14: 16, 2021**