

Перечень опубликованных работ И.Ю. Баклушинской по специальности
оппонируемой диссертации за 5 лет.

1. Bogdanov A., Sokolova M., **Bakloushinskaya I.** Specificity of key sex determination genes in a mammal with ovotestes: The European Mole *Talpa europaea* // Animals. – 2024. – Vol. 14(15). – Art. no. 2180. DOI: 10.3390/ani14152180.
2. Kolomiets O., Bakloushinskaya I., Pankin M., Tambovtseva V., Matveevsky S. Irregularities in meiotic prophase I as prerequisites for reproductive isolation in experimental hybrids carrying Robertsonian translocations // Diversity. – 2023. – Vol. 15(3). Art. no. 364. DOI: 10.3390/d15030364.
3. Bogdanov A., Tambovtseva V., Matveevsky S., **Bakloushinskaya I.** Speciation on the roof of the world: parallel fast evolution of cryptic mole vole species in the Pamir-Alay—Tien Shan region // Life. – 2023. – Vol. 13(8). – Art. no. 1751. DOI: 10.3390/life13081751.
4. Matveevsky S.N., Bogdanov Y.F., Lyapunova E.A., **Bakloushinskaya I.Y.**, Kolomiets O.L. Variations in Chromosome Synapsis at Meiotic Prophase I in the Mole Voles *Ellobius tancrei* Heterozygous for Robertsonian Translocations // *Russian Journal of Genetics*. – 2023. – Vol. 59(12). – P. 1405-1408.
5. **Bakloushinskaya I.** Chromosome changes in soma and germ line: heritability and evolutionary outcome // Genes. 2022. V. 13(4). Art. 602. DOI: 10.3390/genes13040602.
6. Tambovtseva V., **Bakloushinskaya I.**, Matveevsky S., Bogdanov A. Geographic mosaic of extensive genetic variations in subterranean mole voles *Ellobius alaicus* as a consequence of habitat fragmentation and hybridization // Life. 2022. Vol. 12. Art. 728. DOI: 10.3390/life12050728.
7. Gil-Fernández A., Matveevsky S., Martín-Ruiz M., Ribagorda M., Parra M.T., Viera A., Rufas J.S., Kolomiets O., **Bakloushinskaya I.**, Page J. Sex differences in the meiotic behavior of an XX sex chromosome pair in males and females of the mole vole *Ellobius tancrei*: turning an X into a Y chromosome? // Chromosoma. 2021. V. 130 (2). P. 113-131. <https://doi.org/10.1007/s00412-021-00755-y>
8. Matveevsky S., Chassovnikarova T., Grishaeva T., Atsaeva M., Malygin V., **Bakloushinskaya I.**, Kolomiets O. Kinase CDK2 in mammalian meiotic prophase I: screening for hetero and homomorphic sex chromosomes // International Journal of Molecular Sciences. 2021. V. 22 (4). Art. 1969. <https://doi.org/10.3390/ijms22041969>

9. Lebedev V., Bogdanov A., Brandler O., Melnikova M., Enkhbat U., Tukhbatullin A., Abramov A., Surov A., **Bakloushinskaya I.**, Bannikova A. Cryptic variation in mole voles *Ellobius* (Arvicolinae, Rodentia) of Mongolia // Zoologica Scripta. 2020. V. 49. Is. 5. P. 535-548. DOI: 10.1111/zsc.12440.

10. Matveevsky S., Tretiakov A., Kashintsova A., **Bakloushinskaya I.**, Kolomiets O. Meiotic nuclear architecture in distinct mole vole hybrids with Robertsonian translocations: chromosome chains, stretched centromeres, and distorted recombination // International Journal of Molecular Sciences. 2020. V. 21 (20). Art. 7630. DOI: 10.3390/ijms21207630.

11. Matveevsky S., Kolomiets O., Bogdanov A., Alpeeva E., **Bakloushinskaya I.** Meiotic chromosome contacts as a plausible prelude for Robertsonian translocations // Genes. 2020. V. 11. Is. 4. Art. 386. DOI: 10.3390/genes11040386.

Баклушинская Ирина Юрьевна

14.01.2025

"Подпись Баклушинской И.Ю. удостоверяю"

Ученый секретарь ИБР РАН,

кандидат биологических наук, доцент



Хабарова Марина Юрьевна