Список публикаций к.б.н. Омелиной Е.С. по теме оппонируемой диссертации.

1. Omelina ES, Letiagina AE, Boldyreva LV, Ogienko AA, Galimova YA, Yarinich LA, Pindyurin AV, Andreyeva EN. Slight variations in the sequence downstream of the polyadenylation signal significantly increase transgene expression in HEK293T and CHO cells. (doi: 10.3390/ijms232415485) **Int J Mol Sci 23(24): 15485, 2022**

2. Ogienko AA, Omelina ES, Bylino OV, Batin MA, Georgiev PG, Pindyurin AV. *Drosophila* as a model organism to study basic mechanisms of longevity. (doi: 10.3390/ijms231911244) **Int J Mol Sci 23(19): 11244, 2022**

3. Morgacheva D, Daks A, Smirnova A, Kim A, Ryzhkova D, Mitrofanova L, Staliarova A, Omelina E, Pindyurin A, Fedorova O, Shuvalov O, Petukhov A, Dinikina Yu. Case report: Primary leptomeningeal medulloblastoma in a child: Clinical case report and literature review. (doi: 10.3389/fped.2022.925340) **Front Pediatr 10: 925340, 2022**

4. Omelina ES, Yushkova AA, Motorina DM, Volegov GA, Kozhevnikova EN, Pindyurin AV. Optogenetic and chemical induction systems for regulation of transgene expression in plants: use in basic and applied research. (doi: 10.3390/ijms23031737) **Int J Mol Sci 23(3): 1737, 2022**

5. Letiagina AE, Omelina ES, Ivankin AV, Pindyurin AV. MPRAdecoder: processing of the raw MPRA data with a priori unknown sequences of the region of interest and associated barcodes. (doi: 10.3389/fgene.2021.618189) **Front Genet 12: 618189, 2021**

6. Ogienko AA, Andreyeva EN, Omelina ES, Oshchepkova AL, Pindyurin AV. Molecular and cytological analysis of widely-used Gal4 driver lines for *Drosophila* neurobiology. (doi: 10.1186/s12863-020-00895-7) **BMC Genetics 21: 96, 2020**

7. Omelina ES, Ivankin AV, Letiagina AE, Pindyurin AV. Optimized PCR conditions minimizing the formation of chimeric DNA molecules from MPRA plasmid libraries. (doi: 10.1186/s12864-019-5847-2) **BMC Genomics 20 (Suppl 7): 536, 2019**

8. Omelina ES, Pindyurin AV. Optogenetic regulation of endogenous gene transcription in mammals. (doi: 10.18699/VJ19.485) **Вавиловский журнал генетики и селекции 23(2): 219-225, 2019**

9. Redchuk TA, Karasev MM, Omelina ES, Verkhusha VV. Near-infrared light-controlled gene expression and protein targeting in neurons and non-neuronal cells. (doi: 10.1002/cbic.201700642) **Chembiochem 19(12): 1334-1340, 2018**