

Список публикаций Мелькиной Ольги Евгеньевны по теме оппонируемой диссертации:

1) Koval, V.S., Arutyunyan, A.F., Salyanov, V.I., Kostyukov, A.A., **Melkina, O.E.**, Zavilgelsky, G.B., Klimova, R.R., Kushch, A.A., Korolev, S.P., Agapkina, Y.Y., Gottikh, M.B., Vaiman, A.V., Rybalkina, E.Y., Susova, O.Y., Zhuze, A.L. DNA sequence-specific ligands. XVIII. Synthesis, physico-chemical properties; genetic, virological, and biochemical studies of fluorescent dimeric bisbenzimidazoles DBPA(n). *Bioorganic and Medicinal Chemistry*, 2020, 28(7), 115378;

2) **Melkina, O.E.**, Goryanin, I.I., Bazhenov, S.V., Manukhov, I.V., Zavilgelsky, G.B. Comparative analysis of *Aliivibrio logei luxR1* and *luxR2* genes regulation in *Escherichia coli* cells. *Archives of Microbiology*, 2019, 201(10), pp. 1415–1425;

3) Bazhenov S., Novoyatlova U., Scheglova E., Fomin V., Khrulnova S., **Melkina O.**, Chistyakov V., Manukhov I. Influence of the *luxR* regulatory gene dosage and expression level on the sensitivity of the whole-cell biosensor to acyl-homoserine lactone // *Biosensors*. - 2021. - V. 11. - P. 166-177;

4) **Melkina O.E.**, Plyuta V.A., Khmel I.A., Zavilgelsky G.B. The Mode of Action of Cyclic Monoterpenes (-)-Limonene and (+)- $\alpha$ -Pinene on Bacterial Cells // *Biomolecules*. - 2021 – V. 11. - P. 806 – 825. [https:// doi.org/10.3390/biom11060806](https://doi.org/10.3390/biom11060806);

5) Bazhenov S., **Melkina O.**, Fomin V., Scheglova E., Krasnik P., Khrulnova S., Zavilgelsky G., Manukhov I. LitR directly upregulates autoinducer synthesis and luminescence in *Aliivibrio logei* // *PeerJ* – 2021. - 9:e12030. DOI 10.7717/peerj.12030;

6) Bubnov D.M., Yuzbashev T.V., Khozov A.A., **Melkina O.E.**, Vybornaya T.V., Stan G.-B., Sineoky S.P. Robust counterselection and advanced  $\lambda$ Red recombineering enable markerless chromosomal integration of large heterologous constructs // *Nucleic Acids Research*. - 2022. - V. 50. - P. 8947–8960. doi: 10.1093/nar/gkac649;

Мелькина Ольга Евгеньевна



03.11.2023

Подпись О.Е. Мелькиной заверяю:

Главный ученый секретарь  
НИЦ «Курчатовский институт»  
Борисов Кирилл Евгеньевич



/Борисов К.Е./