

## Сведения о ведущей организации

Федеральный исследовательский центр «Фундаментальные основы биотехнологии»  
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Список публикаций работников организации по теме диссертации за последние 5 лет:

1. Antipov A.N. Tishkov V.I. Isolation and preliminary characterization of new cytochrome c from autotrophic haloalkaliphilic sulfur-oxidizing bacterium *Thioalkalivibrio nitratireducens*. — *Biochimie*, 2012, v.94, N12, p.2577-2581 (DOI: )
2. Poloznikov, A., Zakharova, G., Chubar, T., Tishkov, V., Gazaryan, I. Site-directed mutagenesis of tobacco anionic peroxidase: effect of additional aromatic acids on stability and activity. — *Biochimie*, 2015, v.115, N1, p.71-77 (DOI: 10.1016/j.biochi.2015.04.021)
3. Kargov, I.S., Kleymenov, S.Y., Savin, S.S., Tishkov, V.I., Alekseeva, A.A. Improvement of the soy formate dehydrogenase properties by rational design. — Improvement of the soy formate dehydrogenase properties by rational design. — *Protein Engineering, Design and Selection*, 2015, v.28, N6, p.171-178 (DOI: 10.1093/protein/gzv007)
4. Safonova T.N., Mordkovich N.N., Polyakov K.M., Manuvera V.A., Veiko V.P., Popov V.O. Crystallization of uridine phosphorylase from *Shewanella oneidensis* MR-1 in the laboratory and under microgravity and preliminary X-ray diffraction analysis. — *Acta Crystallogr Sect F Struct Biol Cryst Commun*. 2012, Nov 1; 68(Pt 1):1387-1389. (DOI: 10.1107/S1744309112041784)
5. Safonova T.N., Mikhailov S.N., Veiko V.P., Mordkovich N.N., Manuvera V.A., Alekseev C.S., Kovalchuk M.V., Popov V.O., Polyakov K.M. High-syn conformation of uridine and asymmetry of the hexameric molecule revealed in the high-resolution structures of *Shewanella oneidensis* MR-1 uridine phosphorylase in the free form and in complex with uridine. — *Acta Crystallogr D Biol. Crystallogr*. 2014, Dec 1;70(Pt 12):3310-3319 (DOI: 10.1107/S1399004714024079)
6. Tishkov V.I., Gusakov A.V., Cherkashyna A.S., Sinitsyn A.P. Engineering the pH-optimum of activity of the GH12 family endoglucanase by site-directed mutagenesis. — *Biochimie*, 2013, v.95, N9, p.1704-1710 (DOI: 10.1016/j.biochi.2013.05.018)
7. Alekseeva A.A., Serenko A.A., Kargov I.S., Savin S.S., Kleymenov S.Yu., and Tishkov

V.I. Engineering catalytic properties and thermal stability of plant formate dehydrogenase by single-point mutations. — Protein Engineering, Design and Selection, 2012, v.25, N11, p.781-788 (DOI: 10.1093/protein/gzs084)

8. Syrkina M.S., Shirokov D., Rubtsov M., Kadyrova E.L., Veiko V.P., Manuvera V.A. Preparation and functional evaluation of RGD-modified streptavidin targeting to integrin-expressing melanoma cells. — Protein Engineering, Design and Selection, 2012, v.16, p.1 – 8 (DOI: 10.1093/protein/gzs076)