

Список публикаций И.В. Кельмансона с соавторами (состояние на декабрь 2017 года)

1. Shagin D, Shagina I, Zaretsky A, Barsova E, Kelmanson I, Lukyanov S, Chudakov D, Shugay M. A high-throughput assay for quantitative measurement of PCR errors. *Sci Rep* 7, 2718 (2017).
2. Ermakova Y, Lanin A, Fedotov I, Roshchin M, Kelmanson I, Kulik D, Bogdanova Y, Shokhina A, Bilan D, Staroverov D, Balaban P, Fedotov A, Sidorov-Biryukov D, Nikitin E, Zheltikov A, Belousov V. Thermogenetic neurostimulation with single-cell resolution. *Nat Communications* 8, 15362 (2017).
3. Bogdanov EA, Shagina I, Barsova EV, Kelmanson I, Shagin DA, Lukyanov SA. Normalizing cDNA libraries. *Curr Protoc Mol Biol.*, Chapter 5:Unit 5.12.1-27 (2010).
4. Samarkina ON, Popova AG, Gvozdik EY, Chkalina AV, Zvyagin IV, Rylova YV, Rudenko NV, Lusta KA, Kelmanson IV, Gorokhovatsky AY, Vinokurov LM. Universal and rapid method for purification of GFP-like proteins by the ethanol extraction. *Protein Expr Purif.* 65, 108-113 (2008).
5. Field SF, Bulina MY, Kelmanson IV, Bielawski JP, Matz MV. Adaptive evolution of multicolored fluorescent proteins in reef-building corals. *J Mol Evol.* 62, 332-9 (2006).
6. Baranova A, Ivanov D, Petrush N, Pestova A, Skoblov M, Kelmanson I, Shagin D, Nazarenko S, Geraymovych E, Litvin O, Tiunova A, Born TL, Usman N, Staroverov D, Lukyanov S, Panchin Y. The mammalian pannexin family is homologous to the invertebrate innixin gap junction proteins. *Genomics*. 83, 706-16 (2004).
7. Kelmanson IV, Matz MV. Molecular basis and evolutionary origins of color diversity in great star coral Montastraea cavernosa (Scleractinia:Faviida). *Mol Biol Evol.* 20, 1125-33 (2003).
8. Kelmanson IV, Shagin DA, Usman N, Matz MV, Lukyanov SA, Panchin YV. Altering electrical connections in the nervous system of the pteropod mollusc *Clione limacina* by neuronal injections of gap junction mRNA. *Eur J Neurosci.* 16, 2475-6 (2002).
9. Panchin Y, Kelmanson I, Matz M, Lukyanov K, Usman N, Lukyanov S. A ubiquitous family of putative gap junction molecules. *Current Biology* 10, R473-R474 (2000).
10. Panchin YV, Kelmanson IV. Short-circuited neuron: a note. *Neuroscience* 96, 597-599 (2000).

Патенты

1. Matz, M. V., Kelmanson, I. V., Meleshkevitch, E. A., Salih, A. Fluorescent and colored proteins, and polynucleotides that encode these proteins. US patent # 7,160,698 (awarded January 9, 2007, filed May 20, 2004).