

Iryna Sorokulova
Selected publications

1. H.A.G. Ducray, L. Globa, O. Pustovyy, E. Morrison, V. Vodyanoy, **I. Sorokulova** (2019) Yeast fermentate prebiotic improves intestinal barrier integrity during heat stress by modulation of the gut microbiota in rats. *Journal of Applied Microbiology*, 127, 1192-1206.
2. Hagerty, S, Singletary M, Pustovyy O, Globa L, Morrison E, **Sorokulova I**, Vodyanoy V. (2019) Thermodynamic Evaluation of Electrical Responses to Odorant in Olfactory Sensory Neurons, *International Journal of Biophysics*, 9(1): 1-11.
3. **Sorokulova, I**, Globa L., Pustovyy O, V.Vodyanoy (2018) Probiotic effects of a new *Bacillus* strain, *Preventive Medicine*, 3-4, 12-20.
4. Starosila, D., Rybalko, S., Varbanetz, L., Ivanskaya, N., **Sorokulova, I.** (2017) Anti-influenza Activity of a *Bacillus subtilis* Probiotic Strain, *Antimicrobial Agents and Chemotherapy*, 61, 7, e00539-17.
5. Singletary M, Hagerty S, Muramoto S, Daniels Y, MacCrehan WA, Stan G, Lau JW, Pustovyy O, Globa L, Morrison EE, **Sorokulova I**, Vodyanoy V. (2017) PEGylation of zinc nanoparticles amplifies their ability to enhance olfactory responses to odorant, *PLOS One*, 12(12), e0189273;1-20.
6. Vodyanoy V., Pustovyy O., Globa L., **Sorokulova I.** (2016) Evaluation of a New Vasculature by High Resolution Light Microscopy: Primo Vessel and Node, Tissues and Organs, arXiv:1608.04276, 14 pages.
7. Giblot Ducray H.A., Globa L., Pustovyy O, Reeves S., Robinson L., Vodyanoy V., **Sorokulova I.** (2016) Mitigation of heat stress-related complications by a yeast fermentate product, *Journal of Thermal Biology*, 60, 26-32.
8. **Sorokulova I.**, Globa L., Pustovyy O., Vodyanoy V. (2016) Prevention of heat stress adverse effects in rats by *Bacillus subtilis* strain, *Journal of Visualized Experiments*, e54122, doi:10.3791/54122.
9. Hagerty S, Daniels Y, Singletary M, Pustovyy O, Globa L, MacCrehan WA, Muramoto S, Stan G, Lau JW, Morrison EE, **Sorokulova I**, Vodyanoy V. (2016) After oxidation, zinc nanoparticles lose their ability to enhance responses to odorants, *Biometals*, 29 (6), 1005-1018.

10. **Sorokulova I.**, Olsen E., Vodyanoy V. (2015) Biopolymers for sample collection, protection, and preservation. *Applied Microbiology and Biotechnology*, 99, 13, 5397-5406.
11. Vodyanoy V., Pustovyy O., Globa L., **Sorokulova I.** (2015) Primo-Vascular System as Presented by Bong Han Kim, *Evidence-Based Complementary and Alternative Medicine*, vol. 2015, Article ID 361974, 17 pages, doi:10.1155/2015/361974.
12. **Sorokulova I.** (2014) Recombinant Probiotics: Future Perspectives in Disease Treatment. *J Prob Health* 2: e109. doi:10.4172/2329-8901.1000e109
13. Moore T., Globa L., Pustovyy O., Vodyanoy V., **Sorokulova I.** (2014) Oral administration of *Bacillus subtilis* strain BSB3 can prevent heat stress-related adverse effects in rats. *Journal of Applied Microbiology*, 117, 5, 1463—1471.
14. Horosheva T.V., Vodyanoy V., **Sorokulova I.** (2014) Efficacy of *Bacillus* probiotics in prevention of antibiotic-associated diarrhoea: a randomized, double-blind, placebo-controlled clinical trial, *JMM Case Rep.*, 1 (3), doi:10.1099/jmmcr.0.004036.