

Сведения о научном руководителе диссертации

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«Исследование электрофизиологических характеристик сердца птиц на примере японского перепела (*Coturnix japonica*)»

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Список основных научных публикаций по специальности 03.03.01 – «Физиология» за последние 5 лет:

1. Ivanova A. D., Filatova T. S., Abramochkin D. V., Atkinson A., Dobrzynski H., Kokaeva Z. G., Merzlyak E. M., Pustovit K. B., Kuzmin V. S. Attenuation of inward rectifier potassium current contributes to the α 1-adrenergic receptor induced proarrhythmicity in the caval vein myocardium // *Acta Physiologica*. – 2021. – V. 213. – №. 4. – P. e13597.
2. Haverinen J., Dzhumaniazova I., Abramochkin D. V., Hassinen M., Vornanen M. Effects of Na⁺ channel isoforms and cellular environment on temperature tolerance of cardiac Na⁺ current in zebrafish (*Danio rerio*) and rainbow trout (*Oncorhynchus mykiss*) // *Journal of Experimental Biology*. – 2021. – T. 224. – №. 8. – P. Jeb241067.
3. M. Hassinen, I. Dzhumaniazova, D. V. Abramochkin, M. Vornanen. Ionic basis of atrioventricular conduction: ion channel expression and sarcolemmal ion currents of the atrioventricular canal of the rainbow trout (*Oncorhynchus mykiss*) heart // *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*. – 2021. – T. 191. – №. 2. – P. 327–346.
4. Kuzmin V. S., Ivanova A. D., Filatova T. S., Pustovit K. B., Kobylina A. A., Atkinson A. J., Petkova M., Voronkov Y. I., Abramochkin D. V., Dobrzynski H., Micro-rna 133a-3p induces repolarization abnormalities in atrial myocardium and modulates ventricular electrophysiology affecting I_{Ca,L} and I_{to} currents // *European Journal of Pharmacology*. – 2021. – V. 908. – P. 174369.
5. Abramochkin D. V., Kompella S. N., Shiels H. A. Phenanthrene alters the electrical activity of atrial and ventricular myocytes of a polar fish, the navaga cod // *Aquatic Toxicology*. – 2021. – №. 235. – P. 105823.
6. Abramochkin D. V., Filatova T. S., Pustovit K. B., Dzhumaniazova I., Karpushev A. V. Small G-protein RhoA is a potential inhibitor of cardiac fast sodium current // *Journal of Physiology and Biochemistry* – 2021. – T. 7. – C. 13-23.
7. Abramochkin D. V., Kuzmin V. S., Matchkiv V., Kamensky A. A., Wang T. The

- pacemaker of snake heart is localized near the sinoatrial valve // Journal of Experimental Biology. – 2021. – V. 224. – №. 16. – P. Jeb242778.
8. Stecyk J. A., Couturier C. S., Abramochkin D. V., Hall D., Arrant-Howell A., Kubly K. L., Lockmann S., Logue, K., Trueblood, L., Swalling C., Pinard, J., Vogt A. Cardiophysiological responses of the air-breathing Alaska blackfish to cold acclimation and chronic hypoxic submergence at 5°C // Journal of Experimental Biology. – 2020. – T. 223. – № 22. — P. jeb225730.
 9. Abramochkin D. V., Matchkov V., Wang T. A characterization of the electrophysiological properties of the cardiomyocytes from ventricle, atrium and sinus venosus of the snake heart // Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology. – 2019. – V. 190. – № 1. – P. 63–73.
 10. Corydon K. K., Matchkov V., Fais R., Abramochkin D. V., Hedegaard E. R., Comerma-Steffensen S., Simonsen U. Effect of ischemic preconditioning and a Kv7 channel blocker on cardiac ischemia-reperfusion injury in rats // European Journal of Pharmacology. – 2019. – V. 866. – P. 172820.
 11. Pustovit K.B., Potekhina V.M., Ivanova A.D., Petrov A.M., Abramochkin D.V., Kuzmin V.S. Extracellular ATP and β -NAD alter electrical properties and cholinergic effects in the rat heart in age-specific manner // Purinergic Signalling. – 2019. – V. 15. – № 1. – P. 107–117.
 12. Filatova T. S., Abramochkin D. V., Shiels H. A. Thermal acclimation and seasonal acclimatization: a comparative study of cardiac response to prolonged temperature change in shorthorn sculpin // Journal of Experimental Biology. – 2019. – V. 222. – P. jeb202242.
 13. Pakhomov N., Pustovit K., Potekhina V., Filatova T., Kuzmin V., Abramochkin D. Negative inotropic effects of diadenosine tetraphosphate are mediated by protein kinase C and phosphodiesterases stimulation in the rat heart // European Journal of European Pharmacology. – 2018. – V. 820. – № 1. – P. 97–105.
 14. Abramochkin D. V., Hassinen M., Vornanen M. Transcripts of Kv7.1 and MinK channels and slow delayed rectifier K⁺ current (I_{Ks}) are expressed in zebrafish (*Danio rerio*) heart // Pflugers Archiv European Journal of Physiology. – 2018. – V. 470. – P. 1753–1764.
 15. Bogus S. K., Kuzmin V. S., Abramochkin D. V., Suzdalev K. F., Galenko-Yaroshevsky P. A. Effects of new antiarrhythmic agent SS-68 on excitation conduction, electrical activity in Purkinje fibers and pulmonary veins: Assessment of safety and side effects risk // Journal of Pharmacological Sciences. – 2017. – V. 133. – № 3. – P. 122–129.

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