

Contents

S.V. Goncharov, V.E. Dosenko, N.V. Haitovich, A.A. Moibenko. Polymorphism of proteasome genes is associated with an enhanced risk for arterial hypertension in adolescents	3
G.A. Savchenko, A.A. Vassilevski, K.A. Pluzhnikov, Y.V. Korolkova, M.V. Mamenko, T.M. Volkova, O.P. Maximyuk, Ya.A. Boychuk, E.V. Grishin, O.O. Krishtal. Peptide components of Lycosa spider venom modulate P2X receptor activity of rat DRG neurons	11
O.I. Bondarenko, V.F. Sagach. Stimulation of nicotinic cholinoreceptors modulates the electrical responses of endothelial cells to acetylcholine	17
V.A. Berezovskiy, R.V. Yanko, I.G. Litovka. The effect of dosed normobaric hypoxia on physiologic regeneration of liver parenchima in young and old rats.	24
S.M. Zelenskiy, A.I. Solovyov. Radiation does not affect calcium-dependent pathway of nitroglycerine-evoked relaxation of rat aorta.	30
S.P. Kaplinskiy, A.M. Shysh, V.S. Nagibin, V.E. Dosenko, A.A. Moibenko. Omega-3 polyunsaturated fatty acids elevate the expression of PPAR target genes	37
I.V. Melnick. Morphophysiological properties of delayed firing neurons in substantia gelatinosa of the rat spinal cord	44
L.M. Yaremenko, T.S. Brjuzgina, A.N. Grabovoy. Blood cells phagocytic activity and free fatty acids content in rat brain during experimental disturbances in blood supply	50
M.V. Makarenko, Yu.A. Petrenko, O.G. Bajda, O.E. Menshyh. Age-related dynamics of the functional state of central nervous system in school children	58
R.K. Evtushenko. Relationship between indexes of Stroop's effect with the indexes of the human psychophysiological functions and intellectual coefficient.	63
A.K. Dudnik, G.V. Korobeynikov, V. Yagello. Psychophysiological states in humans with different levels of adaptation to muscular activity	66
E.L. Mikhalyuk. Central hemodynamics, heart rate and physical capacity for work in extra-class handballers	72