

CONTENTS

K.I. Kuznetsov, V.Yu. Maslov, S.A. Fedulova, N.S. Veselovsky. Calcium signals induced by tonic firing in the rat eye retinal ganglion cells	3
A.I. Bondarenko, V.F. Sagach. An inhibitor of mitochondrial Na ⁺ -Ca ²⁺ -exchanger CGP37157 produces endothelial cell depolarization with membrane potential oscillations	9
E.V. Isaeva, D.S. Isaev. Anaesthetic and postanaesthetic effect of isoflurane on the multiple-unit activity of the immature rat hippocampus	17
P.I. Yanchuk, T.P. Prikhodko, O.M. Pasichnichenko, A.A. Terekhov, V.O. Tsybenko. Mechanisms of contractile action of acetylcholine on hepatic veins	21
B.V. Donskoy, V.P. Chernyshov, D.V. Osypchuk. The immunophenotypic characteristics of two functionally different NK cell's subpopulations in peripheral human blood	29
M. E. Barinova, V.N. Yelsky, E.F. Barinov, O.N. Sulayeva. Functional activity of monocytes and the mechanisms and intracellular regulation of inos during wound process	36
N.V. Bogdanovskaya, A.V. Kotsuruba, N.V. Malikov. The features arginine exchange and nitric oxide synthesis in youths under adaptation to physical stress in training and competitive periods	45
R.B. Strutynskiy, R.A. Rovenets, A.P. Neshcheret, L.V. Tumanovska, A.A. Moibenko. Changes of cardiohemodynamic during pharmacological preconditioning caused intragastric introduction of medicinal form of opener of K _{ATP} channels flocalin.	55
O.I. Tsyryuk. The ways of correction of negative influence of long-term hypergastrinemia on gastric acid secretion	66
A.A. Shuprovich, N.M. Gurina, O.V. Korpacheva-Zinych. Disorders of uric acid metabolism in rats with fructose- induced experimental insulin resistance syndrome	72
E.V. Gura, E.V. Bagatskaya, Yu.P. Limansky. Analgesia evoked by combined effect of corvitin and low-intensity microwaves at mice with different genetic strains with somatic pain	82
M.V. Makarenko, V.S. Lizogub, T.V. Kozhemyako, N.P. Chernenko. Age Peculiarities of the Central Information Processing Speed among the Persons with the Different Level of the Nervous Processing Functional Mobility	88
V.M. Shevereva. Influence of chronical emotional stress on the behaviour in "open field" of rats with different level of motional activity	94