

CONTENTS

N.A. Strutynska, N.A. Dorofeeva, G.L. Vavilova, V.F. Sagach. Increase in the sensitivity of mptp opening to Ca^{2+} in heart of spontaneous hypertensive rat	3
N.O. Sybirna, I.V. Brodyak, M.L. Bars'ka, O.I. Vovk. Participation of phosphatidylinositol-3'-kinase in signal transduction through galactosyl-containing glycoprotein receptors of segmentonuclear leukocytes under type 1 diabetes mellitus	9
T.I. Gavrilenko, A.N. Parkhomenko, N.A. Ryzhkova, S.N. Kozhukhov, L.V. Yakushko. Citokin's profile of mononuclears at patients by myocardial infarction, complicated cardiac insufficiency	23
V. Rushchak, V. Kovalenko, A. Voronina, V. Kitam, O. Maksymchuk, M. Chashchyn. Optimization of animal model for investigation of pathogenesis of type 2 diabetes	29
S.M. Fedorov, O.V. Bazilyuk, Y.P. Korkach, V.F. Sagach. Magnetic-laser influence on the system of nitric oxide and contractile activity of smooth muscles of rat aorta under hypertension	36
O.A. Grinchenko, P.I. Yanchuk. The role of nitric oxide and taurine in regulation of dogs gastric secretory function	48
T.V. Shimanskaya, Y.V. Goshovska, O.M. Semenikhina, V. F. Sagach. Effect of hydrogen sulfide on isolated rat heart reaction under volume load and ischemia-reperfusion	57
L.D. Popova, I.M. Vasylyeva. Blood plasma testosterone and brain serotonin levels in aggressive and submissive rats of different age groups	67
Yu.O. Fedotova, N.E. Ordyan, G.O. Frolova, V.I. Sobolev. Involvement of some subtypes of 5-HT ₂ -receptors in affective behavior in female rats	75
I.N. Mikheytseva, L.T. Kashintseva, A.V. Artemov, N.I. Khramenko. Study of corvitin efficiency in primary glaucoma	81
REVIEWS	
O.A. Shepel, T.V. Blashkiv, T.Yu. Voznesenska, R.I. Yanchiy. Regulation of oocyte meiotic resumption in mammals	89
THESIS	
II Conference of Young Scientists "Physiology: from molecule to organism", 8-9 October 2012, Kyiv	98
JUBILEE DATES	
Sergey Gulyar (on his 70th birthday)	138