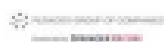




Volume 61, Issue 1

January 2025

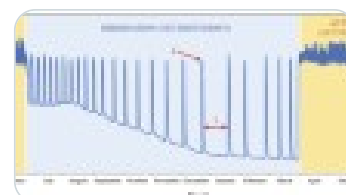


29 articles in this issue

Hypothermia and Reproductive Function in Male Mammals

E. V. KuznetsovaN. B. TikhonovaN. V. Nizyaeva

Reviews | 03 March 2025 | Pages: 1 - 11



Ultraslow Signals in Stroke Diagnostics

D. E. Vinokurova

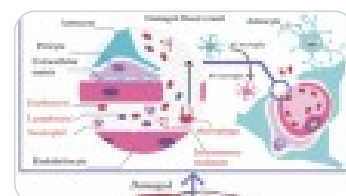
Reviews | 03 March 2025 | Pages: 12 - 30



Role of Trace Amines and Their Receptors in Neuroinflammation Development and Posttraumatic Spinal Cord and Brain Repair

A. D. BuglininaE. A. RomanyukP. E. Musienko

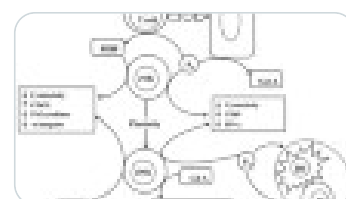
Reviews | 03 March 2025 | Pages: 31 - 49



Hormonal Modulation of Natural Killer Cell Plasticity during Pregnancy

S. V. Shirshev

Reviews | 03 March 2025 | Pages: 50 - 73



A Meta-Analysis of Melatonin Effects on Behavior of Rats Kept in Standard Conditions

N. V. KuzmenkoV. A. TsyrlinM. M. Galagudza

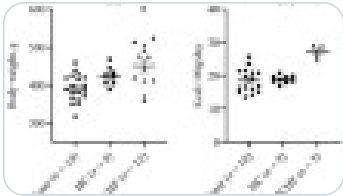
Reviews | 03 March 2025 | Pages: 74 - 95



Cardiomyocyte T-System Remodeling in a Rat Model of Metabolic Syndrome

A. V. StepanovYu. A. FilippovM. G. Dobretsov

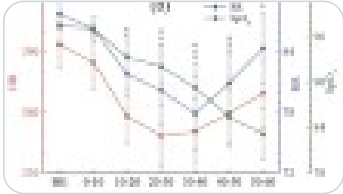
Experimental Papers | 03 March 2025 | Pages: 96 - 104



A Comparative Analysis of Heart Rate Dynamics in Female and Fetal Rats Exposed to Hemic Hypoxia

N. D. Vdovichenko

Experimental Papers | 03 March 2025 | Pages: 105 - 114



Effect of Mechanically Activated Calcium Channels on Passive Stiffness and Contraction Amplitude of Slow Muscle

K. V. SergeevaS. A. TyganovB. S. Shenkman

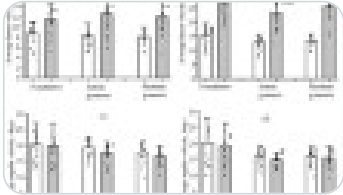
Experimental Papers | 03 March 2025 | Pages: 115 - 121



Postural Stability in Female Rhythmic and Artistic Gymnastics Athletes: the Role of Visual and Somatosensory Signals

E. S. NiaziB. R. SamigullinA. A. Zverev

Experimental Papers | 03 March 2025 | Pages: 122 - 134



Age-Related Changes in Spreading Depolarization during Generalized Epileptiform Activity Induced by Flurothyl

G. F. ZakirovaK. A. ChernovaA. V. Zakharov

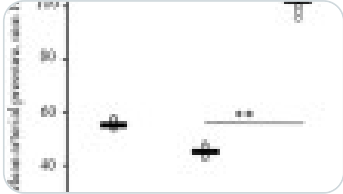
Experimental Papers | 03 March 2025 | Pages: 135 - 144



The Effectiveness of Hypercapnic-Hypoxic Training to Increase Resistance to Acute Hypoxia in Rats with LPS-Induced Endotoxemia

Zh. A. Donina

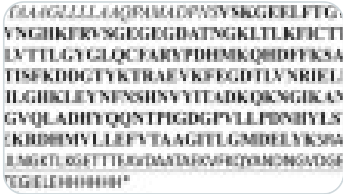
Experimental Papers | 03 March 2025 | Pages: 145 - 152



Nonspecific Interaction of Immunoglobulins (IgG) with Human Beta-2 Microglobulin Fibrils

D. S. PolyakovN. A. GrudininaM. M. Shavlovsky

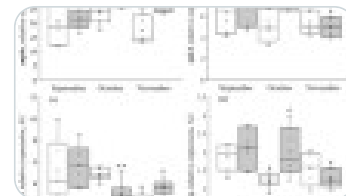
Experimental Papers | 03 March 2025 | Pages: 153 - 161



Gene Expression of GH/IGF Axis Components and Myogenic Regulatory Factors in Juvenile Rainbow Trout (*Oncorhynchus mykiss* Walb) under the Influence of Continuous Lighting

M. V. KuznetsovaM. A. RodinN. N. Nemova

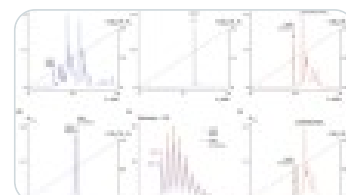
Experimental Papers | 03 March 2025 | Pages: 162 - 176



High-Affinity Blocker of Insect Potassium Channels from the Venom of the Scorpion *Orthochirus scrobiculosus*

A. E. VolkovA. M. GigolaevA. A. Vassilevski

Experimental Papers | 03 March 2025 | Pages: 177 - 186



Effect of Length-Dependent Changes in Myosin Cross-Bridge Kinetics on Calcium Transients in Right Atrial and Right Ventricular Myocardium of Rats

R. V. LisinA. A. BalakinYu. L. Protsenko

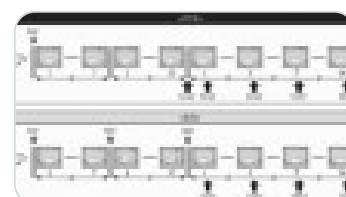
Experimental Papers | 03 March 2025 | Pages: 187 - 202



The Functional Condition of the Neuromotor Apparatus of the Calf Muscles in Rats during the Recovery of Motor Activity after Simulated Gravitational Unloading

A. O. FedianinM. E. BaltinA. A. Ereemeev

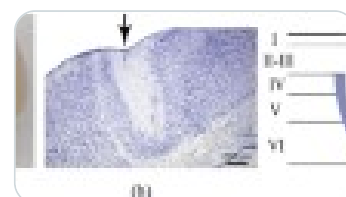
Experimental Papers | 03 March 2025 | Pages: 203 - 215



The Impact of Febrile Seizures on Synaptic Transmission in the Hippocampus of Rats with Freezing-Induced Focal Cortical Dysplasia

T. Yu. PostnikovaA. V. Zaitsev

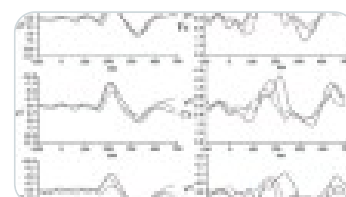
Experimental Papers | 03 March 2025 | Pages: 216 - 225



EEG-indicators of Predictive Coding Impaired in Psychiatric Disorders (a Pilot Study of Auditory Evoked Potentials)

K. Yu. TeleshevaA. A. Korobkova

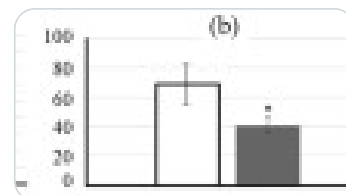
Experimental Papers | 03 March 2025 | Pages: 226 - 240



Effect of TAAR1 Knockout on Behavior Characteristics of Mice in Tests Assessing Anxiety and Depressive-Like Behavior

E. P. VinogradovaD. V. BeliakovA. A. Aleksandrov

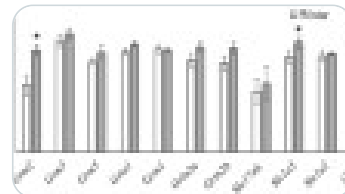
Experimental Papers | 03 March 2025 | Pages: 241 - 248



Studying the Glutamatergic System of the Brain in PM Rat Strain with Pendulum-Like Movements and Predisposition to Audiogenic Epilepsy

V. S. PlekanchukM. A. Ryazanova

Experimental Papers | 03 March 2025 | Pages: 249 - 260



Effect of Synthetic and Biogenic Iron Oxide Nanoparticles on Histopathological Parameters of Mouse Kidneys

A. V. KireevaO. A. KolenchukovaS. V. Stolyar

Experimental Papers | 03 March 2025 | Pages: 261 - 272



Effects of Assisted Reproductive Technologies on Behavior and Brain Development in a Mouse Model of Parkinson's Disease

I. N. RozhkovaV. S. KozenevaS. Ya. Amstislavsky

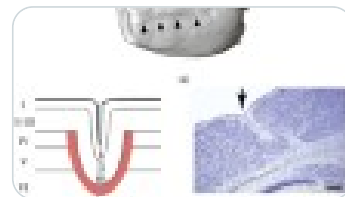
Experimental Papers | 03 March 2025 | Pages: 273 - 284



Behavioral Impairments in Rats with Focal Cortical Dysplasia Following Febrile Seizures

O. E. ZubarevaD. S. SinyakA. V. Zaitsev

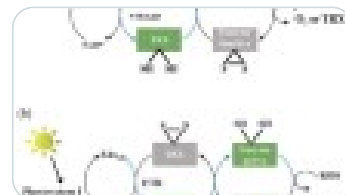
Experimental Papers | 03 March 2025 | Pages: 285 - 297



Redefining Redox Regulation in Plants: The Evolving Role of Thioredoxins and TRX-Like 2.2 in Plant Metabolism

P. V. L. SouzaA. E. Vieira-Neto

Reviews | 03 March 2025 | Pages: 298 - 312



Notch Signaling as a Way to Control the Endothelial-To-Mesenchymal Transition

D. EvensenD. SmirnovaA. Malashicheva

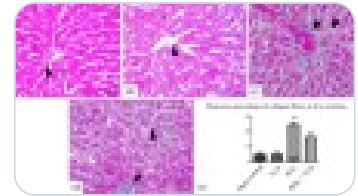
Experimental Papers | 03 March 2025 | Pages: 313 - 327



Vitamin D3 Ameliorates BDL-Induced Hepatocardiac Abnormalities. Possible Role of IGF-1

Ramadan A. SaadMai TarekAbd El-Hamid A. Mohamed

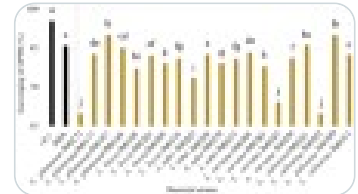
Experimental Papers | 03 March 2025 | Pages: 327 - 342



In vitro Validation of the Organic and Mineral Antioxidant Activity of Lactic Acid Bacterial Strains from Intestinal Microbiota

B. BourroubeyA. BettouatiB. Meddah

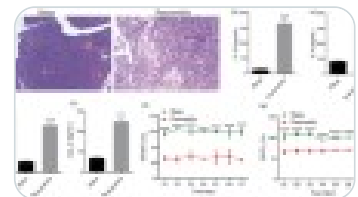
Experimental Papers | 03 March 2025 | Pages: 343 - 357



Spinal HDAC2 Influences the Development of Chronic Pancreatitis-Related Pain through mGluR2

Xiang-tian ZengDing-wen ZhongYong-hui Liao

Experimental Papers | 03 March 2025 | Pages: 358 - 367



Erratum to: Search for Inhibitors of Ionotropic Glutamate Receptors in a Series of 2,3,4,5-Tetrahydro[1,3]diazepino[1,2-a]benzimidazole Derivatives

M. Yu. DronD. V. MaltsevO. I. Barygin

Erratum | 03 March 2025 | Pages: 368 - 368
