

# ANNOUNCEMENT

## *Highlighted Papers 2024 selected by Editor-in-Chief*

### **Biological and Pharmaceutical Bulletin**

The following twelve articles were selected by the Editor-in-Chief among articles published in the year 2024.

**Ethoxyquin, a Lipid Peroxidation Inhibitor, Has Protective Effects against White Matter Lesions in a Mouse Model of Chronic Cerebral Hypoperfusion**

M. Abe, M. Sou, Y. Matsuoka, K. Morimoto, and K. Yamada ..... Vol. 47 No. 1 pp. 104-111

**Icariin Regulates EMT and Stem Cell-Like Character in Breast Cancer through Modulating lncRNA NEAT1/TGF $\beta$ /SMAD2 Signaling Pathway**

B. Song, F. Wei, J. Peng, X. Wei, M. Liu, Z. Nie, Y. Ma, and T. Peng ..... Vol. 47 No. 2 pp. 399-410

**Lymphatic Endothelial Cells Produce Chemokines in Response to the Lipid Nanoparticles Used in RNA Vaccines**

Y. Liu, M. Suzuki, H. Tanaka, Y. Sakurai, H. Hatakeyama, and H. Akita ..... Vol. 47 No. 3 pp. 698-707

**Angiotensin II Is Involved in MLKL Activation During the Development of Heart Failure Following Myocardial Infarction in Rats**

T. Marunouchi, S. Onda, M. Kurasawa, and K. Tanonaka ..... Vol. 47 No. 4 pp. 809-817

**The Influence of Emodin Succinyl Ethyl Ester on Non-alcoholic Steatohepatitis Induced by a Diet High in Fructose, Cholesterol, and Fat in Mice**

Y. Wang, L. Li, L. Chen, J. Xia, T. Wang, L. Han, L. Cao, Z. Wang, W. Xiao, and S. Jiang

..... Vol. 47 No. 5 pp. 978-987

**Heterogenous Gene Expression of Bicellular and Tricellular Tight Junction-Sealing Components in the Human Intestinal Tract**

K. Tachibana, L. Bai, S. Sugimura, H. Fujioka, W. Kishimoto, H. Mizuguchi, H. Nakase, and M. Kondoh

..... Vol. 47 No. 6 pp. 1209-1217

**Difference in Contractile Mechanisms between the Early and Sustained Components of Ionomycin-Induced Contraction in Rat Caudal Arterial Smooth Muscle**

K. Aida, M. Mita, and R. Ishii-Nozawa ..... Vol. 47 No. 7 pp. 1368-1375

**Activation of Mitochondria in Mesenchymal Stem Cells by Mitochondrial Delivery of Coenzyme Q<sub>10</sub>**

Y. Maruo, M. Shiraishi, M. Hibino, J. Abe, A. Takeda, and Y. Yamada ..... Vol. 47 No. 8 pp. 1415-1421

**The Atypical Dual Specificity Phosphatase DUSP15 Regulates Jak1-Mediated STAT3 Activation**

K. Kikkawa, T. Matsuda, M. Fujimuro, and Y. Sekine ..... Vol. 47 No. 9 pp. 1487-1493

*Continued on next page*

# ANNOUNCEMENT

## *Highlighted Papers 2024 selected by Editor-in-Chief*

### Biological and Pharmaceutical Bulletin

*Continued*

**MrgprA3<sup>+</sup> Primary Sensory Neurons Mediate Acute Allergic Itch Responses in Atopic Dermatitis Model Mice**

K. Fujii, R. Miyagawa, R. Tanaka, M. Saito, S. Tanaka, M. Shiratori-Hayashi, M. Tsuda, X. Dong, and M. Fujii

.....Vol. 47 No. 10 pp. 1624-1630

**Upregulation of P-Glycoprotein and Breast Cancer Resistance Protein Activity in Newly Developed *in Vitro* Rat Blood-Brain Barrier Spheroids Using Advanced Glycation End-Products**

H. Endo, M. Ogasawara, Y. Tega, Y. Kubo, K. Hosoya, and S. Akanuma ..... Vol. 47 No. 11 pp. 1893-1903

**Cynaropicrin Increases [Ca<sup>2+</sup>]<sub>i</sub> and Ciliary Beat Frequency in Human Airway Epithelial Cells by Inhibiting SERCA**

N. Todo, S. Hosogi, S. Nakamura, K. Noriyama, N. Tamiya, Y. Toda, M. Shigeta, K. Takayama, and E. Ashihara

..... Vol. 47 No. 12 pp. 2119-2126

December, 2024

Editor-in-Chief

Atsushi Matsuzawa