

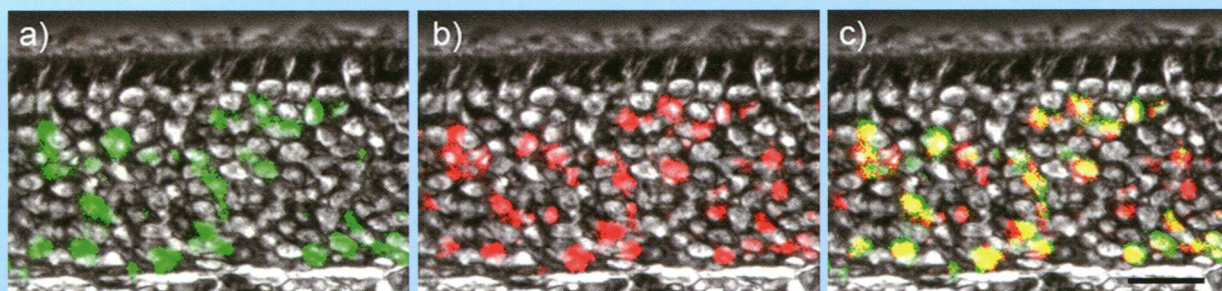
# Biological and Pharmaceutical Bulletin

December 2014

BPBLEO 37 (12) 1853–1998 (2014)

Vol. 37 No. 12

Biological and Pharmaceutical Bulletin succeeds to Journal of Health Science from 2012.



**Cover Figure** Co-existence of TRPV2 and IGF-IR in Olfactory Cell

*pp.* 1907–1912

**Highlighted Paper** • Regulation of Hematopoiesis by Stromal Cells  
(Masafumi Taki *et al.*) *pp.* 1872–1881



THE PHARMACEUTICAL SOCIETY OF JAPAN

<http://bpb.pharm.or.jp>

# Biological and Pharmaceutical Bulletin

Vol. 37, No. 12 December 2014

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## Contents

### Regular Articles

- Efficacy and Safety of Human Placental Extract for Alcoholic and Nonalcoholic Steatohepatitis: An Open-Label, Randomized, Comparative Study  
**Ji. Y. Choi, K. Lee, S. M. Lee, S. H. Yoo, S. G. Hwang, Jo. Y. Choi, S. W. Lee, J. S. Hwang, K. K. Kim, H. C. Kang, G. J. Cheon, and Y. M. Park** ..... 1853
- Influence of Serum Albumin Levels during Opioid Rotation from Morphine or Oxycodone to Fentanyl for Cancer Pain  
**T. Hayashi, S. Ikehata, H. Matsuzaki, K. Yasuda, T. Makihara, A. Futamura, Y. Arakawa, R. Kuki, K. Fukuura, H. Takahashi, N. Mori, T. Higashiguchi, and S. Yamada** ..... 1860
- Is Hyperuricemia a Risk Factor for Arteriosclerosis? Uric Acid and Arteriosclerosis in Apolipoprotein E-Deficient Mice  
**H. Wakuda, S. Uchida, M. Ikeda, M. Tabuchi, Y. Akahoshi, K. Shinozuka, and S. Yamada** ..... 1866
- \* Lipopolysaccharide Reciprocally Alters the Stromal Cell-Regulated Positive and Negative Balance between Myelopoiesis and B Lymphopoiesis in C57BL/6 Mice  
**M. Taki, I. Tsuboi, T. Harada, M. Naito, H. Hara, T. Inoue, and S. Aizawa** ..... 1872
- Doxycycline Hyclate Protects Lipopolysaccharide-Induced Endothelial Barrier Dysfunction by Inhibiting the Activation of p38 Mitogen-Activated Protein Kinase  
**J. Xia, L. Wang, L. Wu, and Q. Huang** ..... 1882
- Protective Effects of Ginsenoside Rg1 on Astrocytes and Cerebral Ischemic-Reperfusion Mice  
**C. Sun, X. Lai, X. Huang, and Y. Zeng** ..... 1891
- Alteration of a Human Intestinal Microbiota under Extreme Life Environment in the Antarctica  
**J.-S. Jin, M. Touyama, S. Yamada, T. Yamazaki, and Y. Benno** ..... 1899
- Co-localization of TRPV2 and Insulin-Like Growth Factor-I Receptor in Olfactory Neurons in Adult and Fetal Mouse  
**H. Matsui, T. Noguchi, K. Takakusaki, and M. Kashiwayanagi** ..... 1907
- Camphor Induces Cold and Warm Sensations with Increases in Skin and Muscle Blood Flow in Human  
**T. Kotaka, S. Kimura, M. Kashiwayanagi, and J. Iwamoto** ..... 1913
- Puerarin Enhances Bone Mass by Promoting Osteoblastogenesis and Slightly Lowering Bone Marrow Adiposity in Ovariectomized Rats  
**B. Li, H. Liu, and S. Jia** ..... 1919
- Comparative Study of the Sensitivities of Cancer Cells to Doxorubicin, and Relationships between the Effect of the Drug-Efflux Pump P-gp  
**G. Kibria, H. Hatakeyama, K. Akiyama, K. Hida, and H. Harashima** ..... 1926
- Terpene-Containing PEGylated Liposomes as Transdermal Carriers of a Hydrophilic Compound  
**W. Rangsimawong, P. Opanasopit, T. Rojanarata, and T. Ngawhirunpat** ..... 1936
- Iejimalide C Is a Potent V-ATPase Inhibitor, and Induces Actin Disorganization  
**S. Kazami, M. Takaine, H. Itoh, T. Kubota, J. Kobayashi, and T. Usui** ..... 1944
- Role of Simplex Lattice Statistical Design in the Formulation and Optimization of Microemulsions for Transdermal Delivery  
**S. Duangjit, L. M. Mehr, M. Kumpugdee-Vollrath, and T. Ngawhirunpat** ..... 1948

\* *Highlighted Paper selected by Editor-in-Chief*

*The selection is based upon originality, scientific contributions, methodological pertinence, and composition.*

Astrocytes, but Not Neurons, Exhibit Constitutive Activation of P2X7 Receptors in Mouse Acute Cortical Slices under Non-stimulated Resting Conditions <b>Y. Kamatsuka, M. Fukagawa, T. Furuta, A. Ohishi, K. Nishida, and K. Nagasawa.</b> . . . . .	1958
Genotoxicity of Rice Bran Oil Extracted by Supercritical CO <sub>2</sub> Extraction <b>J.-S. Choi, E. J. Cheon, T.-U. Kim, W.-S. Moon, J.-W. Kim, and M.-R. Kim</b> . . . . .	1963

**Notes**

Nephrotoxicity Induced by Piperacillin–Tazobactam in Late Elderly Japanese Patients with Nursing and Healthcare Associated Pneumonia <b>F. Karino, N. Nishimura, N. Ishihara, H. Moriyama, K. Miura, S. Hamaguchi, A. Sutani, T. Kuraki, K. Ikawa, N. Morikawa, K. Naora, and T. Isobe.</b> . . . . .	1971
Synthesis and Evaluation of Curcumin-Related Compounds Containing Inden-2-one for Their Effects on Human Cancer Cells <b>D. Zhou, N. Ding, S. Zhao, D. Li, J. Van Doren, Y. Qian, X. Wei, and X. Zheng.</b> . . . . .	1977
Apoptosis Occurs during Early Development of the Bursa of Fabricius in Chicken Embryos <b>K. Makino, R. Omachi, H. Suzuki, K. Tomobe, T. Kawashima, T. Nakajima, and Y. Kawashima-Ohya</b> . . . . .	1982
Treatment of Newborn Mice with Inhibitors of Vascular Endothelial Growth Factor Receptor Tyrosine Kinase Induces Abnormal Retinal Vascular Patterning <b>A. Morita, T. Nakahara, H. Ushikubo, A. Mori, K. Sakamoto, and K. Ishii.</b> . . . . .	1986
Comparison of the Effects of Azole Antifungal Agents on the Anticoagulant Activity of Warfarin <b>H. Yamamoto, Y. Habu, I. Yano, J. Ozaki, Y. Kimura, E. Sato, A. Shida, S. Fukatsu, and K. Matsubara</b> . . . . .	1990
Renin Inhibition Improves Ovariectomy-Induced Osteoporosis of Lumbar Vertebra in Mice <b>F.-Y. Zhang, F.-J. Yang, J.-L. Yang, L. Wang, and Y. Zhang</b> . . . . .	1994
Index of Vol. 37 . . . . .	vi
Keyword Index of Vol. 37 . . . . .	vii

**About the cover:** Olfactory sensory neurons (OSNs) are continuously renewed during adulthood. To transmit odor information to the brain, newly generated OSNs extend their axons to the olfactory bulb (OB). It is reported that insulin-like growth factor (IGF)-I is produced in the OB. Translocation of calcium-permeable channel, TRPV2, to the plasma membrane is augmented by IGF-I. Intensive TRPV2 immunostaining was observed at the olfactory axon bundles but not at the soma in mouse olfactory mucosa. Most neurons expressing TRPV2 mRNA (a, green) co-expressed IGF-I receptor mRNA (b, red; c, merge, yellow). These results suggest that TRPV2 coupled with IGF-IR localizes to growing olfactory axons in the OSNs. See the article by Matsui *et al.* on page 1907 of this issue.