

Minireviews

Combinatorial Approach Using *Caenorhabditis elegans* and Mammalian Systems for Aging Research*Gee-Yoon Lee, Jooyeon Sohn, and Seung-Jae V. Lee* 425**Integrative Multi-Omics Approaches in Cancer Research: From Biological Networks to Clinical Subtypes***Yong Jin Heo, Chanwoong Hwa, Gang-Hee Lee, Jae-Min Park, and Joon-Yong An* 433

Research Articles

Negative Regulation of Erythroid Differentiation via the CBX8-TRIM28 Axis*Hyun Jeong Kim, Jin Woo Park, Joo-Young Kang, and Sang-Beom Seo* 444**The Short-Chain Fatty Acid Receptor GPR43 Modulates YAP/TAZ via RhoA***Bi-Oh Park, Seong Heon Kim, Jong Hwan Kim, Seon-Young Kim, Byoung Chul Park, Sang-Bae Han, Sung Goo Park, Jeong-Hoon Kim, and Sunhong Kim* 458**Ubiquitin D Promotes Progression of Oral Squamous Cell Carcinoma via NF-Kappa B Signaling***An Song, Yi Wang, Feng Jiang, Enshi Yan, Junbo Zhou, Jinhai Ye, Hongchuan Zhang, Xu Ding, Gang Li, Yunong Wu, Yang Zheng, and Xiaomeng Song* 468**TRIB2 Stimulates Cancer Stem-Like Properties through Activating the AKT-GSK3 β - β -Catenin Signaling Axis***Dae Kyoung Kim, Yu Na Kim, Ye Eun Kim, Seo Yul Lee, Min Joo Shin, Eun Kyoung Do, Kyung-Un Choi, Seung-Chul Kim, Ki-Hyung Kim, Dong-Soo Suh, Parkyong Song, and Jae Ho Kim* 481**cAMP Response Element-Binding Protein- and Phosphorylation-Dependent Regulation of Tyrosine Hydroxylase by PAK4: Implications for Dopamine Replacement Therapy***So-Yoon Won, Soon-Tae You, Seung-Won Choi, Catriona McLean, Eun-Young Shin, and Eung-Gook Kim* 493**Integrated Quantitative Phosphoproteomics and Cell-Based Functional Screening Reveals Specific Pathological Cardiac Hypertrophy-Related Phosphorylation Sites***Hye Kyeong Kwon, Hyunwoo Choi, Sung-Gyoo Park, Woo Jin Park, Do Han Kim, and Zee-Yong Park* 500**Structure and Function of the Autolysin SagA in the Type IV Secretion System of *Brucella abortus****Yongseong Hyun, Yeongjin Baek, Chanyoung Lee, Nayeon Ki, Jinsook Ahn, Sangryeol Ryu, and Nam-Chul Ha* 517

Contents

Vol. 44 No. 7 July 31, 2021

The FMRFamide Neuropeptide FLP-20 Acts as a Systemic Signal for Starvation Responses in *Caenorhabditis elegans*

Chanhee Kang and Leon Avery 529

Journal Club

Discovery of a Novel RNA Suggests That Its Cellular Role Is More Complex than Just a Simple Messenger

Yoon Jeong Park 538

COVER PICTURE

A light microscope image of a neuromelanin (dark brown) positive cell in human substantia nigra in which tyrosine hydroxylase (TH) phosphorylated at serine 40 (pTH^{S40}) is shown (dark grey). Phosphorylated active form of p21-activated kinase 4 (pPAK4) phosphorylates TH at S40. In this line, there was a positive correlation between pPAK4 and pTH^{S40} in the substantia nigra (Won et al., pp. 493-499).