

## Minireviews

- The Dharma of Nonsense-Mediated mRNA Decay in Mammalian Cells  
*Maximilian Wei-Lin Popp, and Lynne E. Maquat* ..... 1
- ADP-Ribosylation: Activation, Recognition, and Removal  
*Nan Li, and Junjie Chen* ..... 9

## Research Articles

- Specificity Protein 1 Expression Contributes to Bcl-w-Induced Aggressiveness in Glioblastoma Multiforme  
*Woo Sang Lee, Junhye Kwon, Dong Ho Yun, Young Nam Lee, Eun Young Woo, Myung-Jin Park, Jae-Seon Lee, Young-Hoon Han, and In Hwa Bae* ..... 17
- Impaired Extinction of Learned Contextual Fear Memory in Early Growth Response 1 Knockout Mice  
*Seungrie Han, Soontaek Hong, Jiwon Mo, Dongmin Lee, Eunju Choi, June-seek Choi, Woong Sun, Hyun Woo Lee, and Hyun Kim* ..... 24
- Ground-State Conditions Promote Robust Prdm14 Reactivation and Maintain an Active Dlk1-Dio3 Region during Reprogramming  
*Omer Habib, Gizem Habib, Sung-Hwan Moon, Ki-Sung Hong, Jeong Tae Do, Youngsok Choi, Sung Woon Chang, and Hyung-Min Chung* ..... 31
- Genome-Wide SNP Calling Using Next Generation Sequencing Data in Tomato  
*Ji-Eun Kim, Sang-Keun Oh, Jeong-Hee Lee, and Bo-Mi Lee, and Sung-Hwan Jo* ..... 36
- HIF-1-Dependent Induction of Jumonji Domain-Containing Protein (JMJD) 3 under Hypoxic Conditions  
*Ho-Youl Lee, Kang Choi, Hookeun Oh, Young-Kwon Park, and Hyunsung Park* ..... 43
- Nucleolar GTPase NOG-1 Regulates Development, Fat Storage, and Longevity through Insulin/IGF Signaling in *C. elegans*  
*Young-Il Kim, Jaya Bandyopadhyay, Injeong Cho, Juyeon Lee, Dae Ho Park, and Jeong Hoon Cho* ..... 51
- In Vivo* Expression of EphrinA5-Fc in Mice Results in Cephalic Neural Crest Agenesis and Craniofacial Abnormalities  
*Hyuna Noh, Eunjeong Park, and Soochul Park* ..... 59
- Myeloid-Derived Suppressor Cells Are Associated with Viral Persistence and Downregulation of TCR  $\zeta$  Chain Expression on CD8<sup>+</sup> T Cells in Chronic Hepatitis C Patients  
*Qing-Lei Zeng, Bin Yang, Hong-Qi Sun, Guo-Hua Feng, Lei Jin, Zheng-Sheng Zou, Zheng Zhang, Ji-Yuan Zhang, and Fu-Sheng Wang* ..... 66
- Developmental Roles of D-bifunctional Protein- A Zebrafish Model of Peroxisome Dysfunction  
*Yong-Il Kim, Sushil Bhandari, Joon No Lee, Kyeong-Won Yoo, Se-Jin Kim, Gi-Su Oh, Hyung-Jin Kim, Meyoung Cho, Jong-Young Kwak, Hong-Seob So, Raekil Park, and Seong-Kyu Choe* ..... 74
- Pressure-Overload Cardiac Hypertrophy Is Associated with Distinct Alternative Splicing Due to Altered Expression of Splicing Factors  
*Taeyong Kim, Jin Ock Kim, Jae Gyun Oh, Seong-Eui Hong, and Do Han Kim* ..... 81