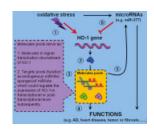
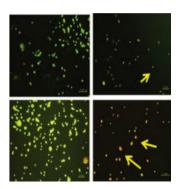
# CONTENTS Journal of Cellular Biochemistry

#### **VOLUME 114 • NUMBER 12**

CONTENTS i
FEATURES iv
PROSPECTS
The Balance Mediated by miRNAs and the Heme Oxygenase 1 Feedback Loop Contributes to Biological Effects Ning Ma, Ying Xiang, Yanfen Zhang, Xia Zhao, Lingyun Zhou, and Xu Gao 2637 Accepted Manuscript online 12 August 2013
ARTICLES
Autophagy Stimulates Apoptosis in HER2-Overexpressing Breast Cancers Treated by Lapatinib Xingmei Zhu, Lin Wu, Hongyu Qiao, Tenglong Han, Suning Chen, Xueying Liu, Ru Jiang, Yifang Wei, Dayun Feng, Yuan Zhang, Yongzheng Ma, Shengyong Zhang, and Jian Zhang
Accepted manuscript online 21 June 2013
Upregulation of Extrinsic Apoptotic Pathway in Curcumin-Mediated Antiproliferative Effect on Human Pancreatic Carcinogenesis  Mahmoud Youns and Gihan Mahmoud Fathy
MicroRNA-212 Inhibits Proliferation of Gastric Cancer by Directly Repressing Retinoblastoma Binding Protein 2 Zeng Jiping, Fang Ming, Wang Lixiang, Liang Xiuming, Shen Yuqun, Yu Han, Liu Zhifang, Sun Yundong, Liu Shili, Chen Chunyan, and Jia Jihui
IL-33/IL-31 Axis: A New Pathological Mechanism for EGFR Tyrosine Kinase Inhibitors-Associated Skin Toxicity?  Sebastiano Gangemi, Tindara Franchina, Paola Lucia Minciullo, Mirella Profita, Mariangela Zanghi, Antonio David, Ivanna Kennez, and Vincenzo Adamo
Migration of CXCR4 Gene-Modified Bone Marrow-Derived Mesenchymal Stem Cells to the Acute Injured Kidney Nanmei Liu, Jun Tian, Jin Cheng, and Jinyuan Zhang



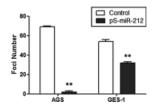
PAGE 2639



PAGE 2650

Gene Symbol	A	В
TIAL1		
TNFRSF17		
TNFRSF1A	- 8	
TROAP		
TXNIP		
TYMS		
UBAI		
UBC		
UPP1		
XBP1	3	
XIAP		
YWHAZ	- 0	
ZDHHC20		

PAGE 2661

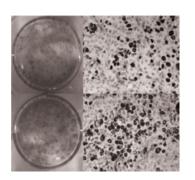


PAGE 2670

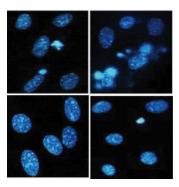


Cover: Heat map representation of miRNAs differentially expressed in control and TNF-alpha-treated MC3T3-E1 cells. See article by Dong et al on pages 2738-2745. Cover design by Priscilla Vazquez

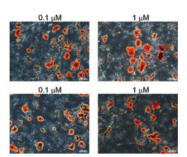
### CONTENTS CONTINUED



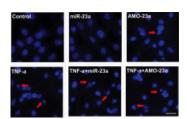
PAGE 2702



PAGE 2715



PAGE 2726



PAGE 2743

of Physiological Prions Depend on Tissues and Glycotypes Thorsten Kuczius and Reinhard Kelsch	
Characterization of miR-210 in 3T3-L1 Adipogenesis Wei-Cheng Liang, Yan Wang, David Chi-Cheong Wan, Venus Sai-Ying Yeung, and Mary Miu-Yee Waye	
nsulin Induces C2C12 Cell Proliferation and Apoptosis Through Regulation of Cyclin D1 and BAD Expression Cheng-Juan Xiong, Ping-Fa Li, Yang-Liu Song, Li-Xiang Xue, Zhu-Qing Jia, Chun-Xia Yao, Qing-Xia Wei, Shu-Feng Zhang, Shan-Feng Zhang, Yan-Yan Zhang, Ji-Min Zhao, Tian-Qi Wang, Mao-Feng Guo, and Ming-Xi Zang	
Exogenous Polyamines Promote Osteogenic Differentiation by Reciprocally Regulating Osteogenic and Adipogenic Gene Expression  Mon-Juan Lee, Yuhsin Chen, Yuan-Pin Huang, Yi-Chiang Hsu,  Lan-Hsin Chiang, Tzu-Yu Chen, and Gwo-Jaw Wang	
GPNMB Enhances Bone Regeneration by Promoting Angiogenesis and Osteogenesis: Potential Role for Tissue Engineering Bone Xuefeng Hu, Ping Zhang, Zhenjie Xu, Hongdong Chen, and Xin Xie	
MicroRNA-23a Modulates Tumor Necrosis Factor-Alpha-Induced Osteoblasts Apoptosis by Directly Targeting Fas Jun Dong, Xingang Cui, Zhensong Jiang, and Jianmin Sun	
mpact of Kanamycin on Melanogenesis and Antioxidant Enzymes Activity in Melanocytes—An In Vitro Study Dorota Wrześniok, Michał Otręba, Artur Beberok, and Ewa Buszman	
Transglutaminase-2 Mediates Calcium-Regulated Crosslinking of the Y-Box 1 (YB-1) Translation-Regulatory Protein in TGFβ1-Activated Myofibroblasts William L. Willis, Seethalakshmi Hariharan, Jason J. David, and Arthur Roger Strauch	

Effects of Metal Binding on Solubility and Resistance

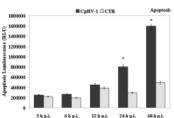
#### The U5 snRNA Internal Loop 1 Is a Platform for Brr2, Snu114 and Prp8 Protein Binding During U5 snRNP Assembly Verity Nancollis, Jayalath P.D. Ruckshanthi, Lily Novak Frazer, ACCEPTED MANUSCRIPT ONLINE 16 JULY 2013 Effect of Xanthohumol and 8-Prenylnaringenin on MCF-7 Breast Cancer Cells Oxidative Stress and Mitochondrial **Complexes Expression** ACCEPTED MANUSCRIPT ONLINE 8 JULY 2013 Comparative Proteomics of Glioma Stem Cells and Differentiated Tumor Cells Identifies S100A9 as a **Potential Therapeutic Target** Song Chen, Hongxin Zhao, Jinmu Deng, Peng Liao, Zhongye Xu, ACCEPTED MANUSCRIPT ONLINE 8 JULY 2013 Modulation of Apoptosis by Caprine Herpesvirus 1 Infection in a Neuronal Cell Line Serena Montagnaro, Roberto Ciarcia, Claudio De Martinis, Carmen Pacilio, Simona Sasso, Maria Valeria Puzio, Morena De Angelis, Ugo Pagnini, ACCEPTED MANUSCRIPT ONLINE 8 JULY 2013 The R740S Mutation in the V-ATPase a3 Subunit Results in Osteoclast Apoptosis and Defective Early-Stage Autophagy Noelle Ochotny, Irina Voronov, Celeste Owen, Jane E. Aubin, ACCEPTED MANUSCRIPT ONLINE 1 AUGUST 2013 Hypoxia Preconditioning of Mesenchymal Stromal Cells Enhances PC3 Cell Lymphatic Metastasis Accompanied by VEGFR-3/CCR7 Activation Xin Huang, Kunkai Su, Limin Zhou, Guofang Shen, Qi Dong,

ACCEPTED MANUSCRIPT ONLINE 12 AUGUST 2013

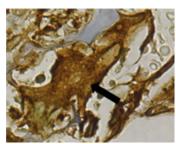
## **CONTENTS**



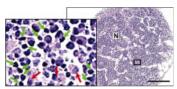
PAGE 2805



PAGE 2812



PAGE 2830



PAGE 2837