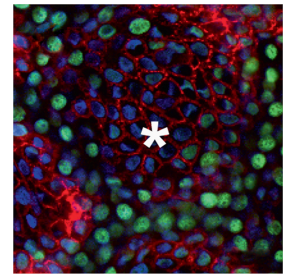


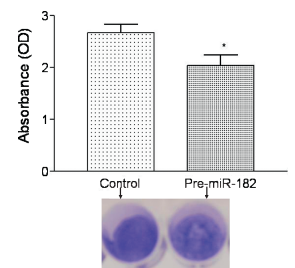
# CONTENTS

VOLUME 110 • NUMBER 6

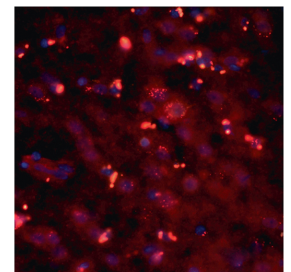
CONTENTS .....	i
FEATURES .....	iv
<b>PROSPECTS</b>	
<b>Epithelial Stem Cells: An Epigenetic and Wnt-Centric Perspective</b> <i>Bingnan Gu, Kazuhide Watanabe, and Xing Dai</i> .....	1279
PUBLISHED ONLINE 1 JUNE 2010	
<b>Twist-ing Cell Fate: Mechanistic Insights Into the Role of Twist in Lineage Specification/Differentiation and Tumorigenesis</b> <i>D. Cakouros, R.M. Raices, S. Gronthos, and C.A. Glackin</i> .....	1288
PUBLISHED ONLINE 1 JUNE 2010	
<b>Roles of GRP78 in Physiology and Cancer</b> <i>Lu-Hua Zhang and Xiang Zhang</i> .....	1299
PUBLISHED ONLINE 12 MAY 2010	
<b>ARTICLES</b>	
<b>Role of Histone Acetylation in the Development of Diabetic Retinopathy and the Metabolic Memory Phenomenon</b> <i>Qing Zhong and Renu A. Kowluru</i> .....	1306
PUBLISHED ONLINE 1 JUNE 2010	
<b>Novel Regulation of 25-Hydroxyvitamin D<sub>3</sub> 24-Hydroxylase (24(OH)ase) Transcription by Glucocorticoids: Cooperative Effects of the Glucocorticoid Receptor, C/EBP<math>\beta</math>, and the Vitamin D Receptor in 24(OH)ase Transcription</b> <i>Puneet Dhawan and Sylvia Christakos</i> .....	1314
PUBLISHED ONLINE 1 JUNE 2010	
<b>Protection Against Cellular Stress by 25-Hydroxyvitamin D<sub>3</sub> in Breast Epithelial Cells</b> <i>Xinjian Peng, Avani Vaishnav, Genoveva Murillo, Fatouma Alimirah, Karen E.O. Torres, and Rajendra G. Mehta</i> .....	1324
PUBLISHED ONLINE 17 MAY 2010	
<b>Cytoplasmic Gamma-Tubulin Complex From Brain Contains Nonerythroid Spectrin</b> <i>Nisha E. Thomas, Sasidharan Shashikala, and Suparna Sengupta</i> .....	1334
PUBLISHED ONLINE 1 JUNE 2010	
<b>Kaempferol Stimulates Bone Sialoprotein Gene Transcription and New Bone Formation</b> <i>Li Yang, Hideki Takai, Tadahiko Utsunomiya, Xinyue Li, Zhengyang Li, Zhitao Wang, Shuang Wang, Yoko Sasaki, Hirotsugu Yamamoto, and Yorimasa Ogata</i> .....	1342
PUBLISHED ONLINE 1 JUNE 2010	



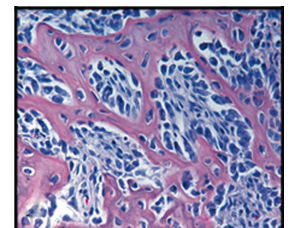
PAGE 1281



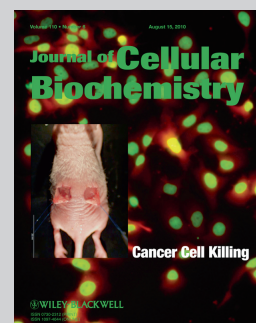
PAGE 1330



PAGE 1340



PAGE 1351

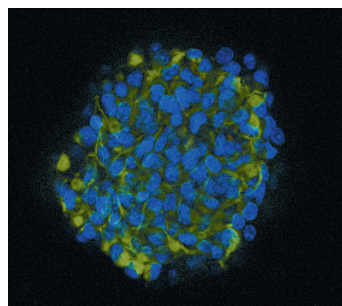


**Cover:** The cover shows efficacy of UVL treatment in a mouse (box) superimposed on a background of irradiated cells in vitro. Please see article in this issue by Kimura et al, pages 1439–1446.

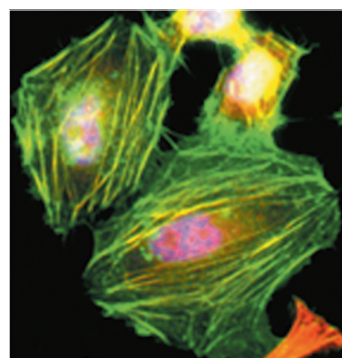
(continued on next page)

# CONTENTS

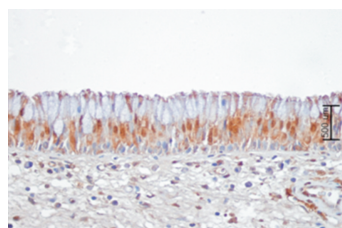
C O N T I N U E D



PAGE 1360



PAGE 1370



PAGE 1390



PAGE 1424

**Long Chain–Polyunsaturated Fatty Acids Modulate Membrane Phospholipid Composition and Protein Localization in Lipid Rafts of Neural Stem Cell Cultures**  
*Bénédicte Langelier, Alain Linard, Christian Bordat, Monique Lavialle, and Christine Heberden . . . . .* 1356  
PUBLISHED ONLINE 1 JUNE 2010

**Non–Muscle Myosin IIB Helps Mediate TNF Cell Death Signaling Independent of Actomyosin Contractility (AMC)**  
*Patrick G. Flynn and David M. Helfman . . . . .* 1365  
PUBLISHED ONLINE 1 JUNE 2010

**Inhibition of  $\beta$ -Catenin/Tcf Signaling by Flavonoids**  
*Seyeon Park and Jaemin Choi. . . . .* 1376  
PUBLISHED ONLINE 1 JUNE 2010

**AP2 $\alpha$  Is Essential for *MUC8* Gene Expression in Human Airway Epithelial Cells**  
*Uk Yeol Moon, Chang-Hoon Kim, Jae Young Choi, Yoon-Ju Kim, Yeon Ho Choi, Ho-Geun Yoon, Hyeyoung Kim, and Joo-Heon Yoon . . . . .* 1386  
PUBLISHED ONLINE 1 JUNE 2010

**Mechanism of Dihydrofolate Reductase Downregulation in Melanoma by 3-*O*-(3,4,5-Trimethoxybenzoyl)-(–)-Epicatechin**  
*Luis Sánchez-del-Campo, Soledad Chazarra, María F. Montenegro, Juan Cabezas-Herrera, and José Neptuno Rodríguez-López . . . . .* 1399  
PUBLISHED ONLINE 1 JUNE 2010

**Rosiglitazone Inhibits Monocyte/Macrophage Adhesion Through De Novo Adiponectin Production in Human Monocytes**  
*Jaw-Shiun Tsai, Ching-Yu Chen, Yuh-Lien Chen, and Lee-Ming Chuang. . . . .* 1410  
PUBLISHED ONLINE 26 MAY 2010

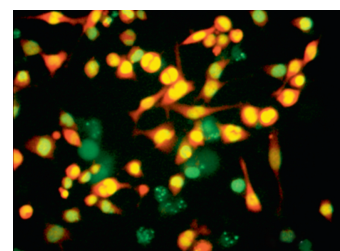
**Mechanisms Regulating the Nuclear Translocation of p38 MAP Kinase**  
*Xiaowei Gong, Xiaoyan Ming, Peng Deng, and Yong Jiang. . . . .* 1420  
PUBLISHED ONLINE 12 MAY 2010

**Inhibition of LPS-Induced C/EBP $\delta$  by Trichostatin A Has a Positive Effect on LPS-Induced Cyclooxygenase 2 Expression in RAW264.7 Cells**  
*Yi-Wen Liu, Shao-An Wang, Tsung-Yi Hsu, Tsu-An Chen, Wen-Chang Chang, and Jan-Jong Hung. . . . .* 1430  
PUBLISHED ONLINE 12 MAY 2010

(continued on next page)

**UV Light Killing Efficacy of Fluorescent Protein-Expressing Cancer Cells In Vitro and In Vivo**  
*Hiroaki Kimura, Claudia Lee, Katsuhiro Hayashi, Kensuke Yamauchi, Norio Yamamoto, Hiroyuki Tsuchiya, Katsuro Tomita, Michael Bouvet, and Robert M. Hoffman . . . . .* 1439

PUBLISHED ONLINE 12 MAY 2010



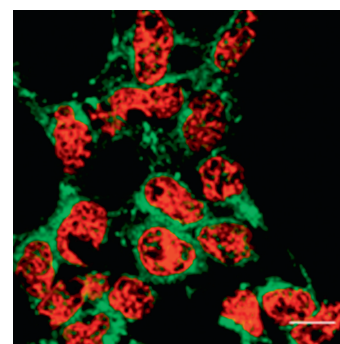
PAGE 1443

**ERp57 Is Up-Regulated in Free Fatty Acids-Induced Steatotic L-02 Cells and Human Nonalcoholic Fatty Livers**  
*Hui Wang, Ping-Kei Chan, Si-Yuan Pan, Kwok-Ho Kwon, Yan Ye, Jian-Hong Chu, Wang-Fun Fong, Wilson M.S. Tsui, and Zhi-Ling Yu. . . . .* 1447

PUBLISHED ONLINE 19 MAY 2010

**Jmjd3 Activates Mash1 Gene in RA-Induced Neuronal Differentiation of P19 Cells**  
*Jin-po Dai, Jian-yi Lu, Ye Zhang, and Yu-fei Shen. . . . .* 1457

PUBLISHED ONLINE 19 MAY 2010



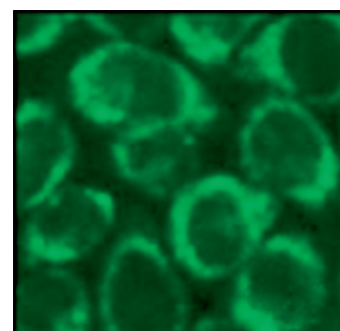
PAGE 1477

**Nicotinamide Phosphoribosyltransferase/Sirtuin 1 Pathway Is Involved in Human Immunodeficiency Virus Type 1 Tat-Mediated Long Terminal Repeat Transactivation**  
*Hong-Sheng Zhang, Wei-Wei Sang, Yu-Ou Wang, and Wei Liu . . . . .* 1464

PUBLISHED ONLINE 19 MAY 2010

**Cytokine Stimulation Promotes Increased Glucose Uptake Via Translocation at the Plasma Membrane of GLUT1 in HEK293 Cells**  
*Angara Zambrano, Evelyn Jara, Paola Murgas, Clara Jara, Maite A. Castro, Constanza Angulo, and Ilona I. Concha . . . . .* 1471

PUBLISHED ONLINE 19 MAY 2010



PAGE 1507

**Regulation of AP-1 Activity in Glucose-Stimulated Insulinoma Cells**  
*Isabelle Müller, Takeshi Endo, and Gerald Thiel . . . . .* 1481

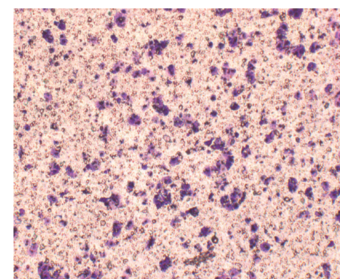
PUBLISHED ONLINE 25 MAY 2010

**Anti-Proliferative Effects of Evodiamine on Human Thyroid Cancer Cell Line ARO**  
*Meng-Ching Chen, Ching-Han Yu, Shyi-Wu Wang, Hsiao-Fung Pu, Shu-Fen Kan, Lie-Chwen Lin, Chin-Wen Chi, Lary Low-Tone Ho, Chen-Hsen Lee, and Paulus S. Wang . . . . .* 1495

PUBLISHED ONLINE 25 MAY 2010

**Reciprocal Relationship Between Cytosolic NADH and ENOX2 Inhibition Triggers Sphingolipid-Induced Apoptosis in HeLa Cells**  
*Thomas DeLuca, Dorothy M. Morr , and D. James Morre . . . . .* 1504

PUBLISHED ONLINE 1 JUNE 2010



PAGE 1518

**Proteomic Profiling of Proteins Associated With Lymph Node Metastasis in Colorectal Cancer**  
*Yiming Ma, Mei Zhao, Jialing Zhong, Lan Shi, Qing Luo, Jian Liu, Jia Wang, Xinghua Yuan, and Changzhi Huang. . . . .* 1512

PUBLISHED ONLINE 11 JUNE 2010