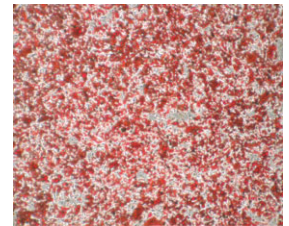


CONTENTS

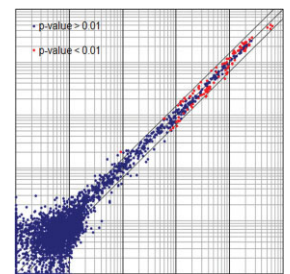
VOLUME 110 • NUMBER 4

CONTENTS	i
FEATURES	iv
PROSPECTS	
The Cytologic Criteria of Malignancy <i>Andrew H. Fischer, Chengquan Zhao, Qing Kay Li, Karen S. Gustafson, Isam-Eldin Eltoum, Rosemary Tambouret, Barbara Benstein, Lynnette C. Savaloja, and Piotre Kulesza</i>	795
PUBLISHED ONLINE 26 APRIL 2010	
ARTICLES	
An Essential Role for Dicer in Adipocyte Differentiation <i>Rajini Mudhasani, Anthony N. Imbalzano, and Stephen N. Jones</i>	812
PUBLISHED ONLINE 28 APRIL 2010	
Ribonucleoprotein Immunoprecipitation (RNP-IP): A Direct in vivo Analysis of microRNA-Targets <i>Mohammad Q. Hassan, Jonathan A.R. Gordon, Jane B. Lian, Andre J. van Wijnen, Janet L. Stein, and Gary S. Stein</i>	817
PUBLISHED ONLINE 19 MAY 2010	
Transcriptional Regulation of Bone Sialoprotein Gene by <i>Porphyromonas gingivalis</i> Lipopolysaccharide <i>Xinyue Li, Naoko Kato, Masaru Mezawa, Zhengyang Li, Zhitao Wang, Li Yang, Yoko Sasaki, Takashi Kaneko, Hideki Takai, Atsutoshi Yoshimura, and Yorimasa Ogata</i> . .	823
PUBLISHED ONLINE 1 APRIL 2010	
Morphine Treatment of Human Monocyte-Derived Macrophages Induces Differential miRNA and Protein Expression: Impact on Inflammation and Oxidative Stress in the Central Nervous System <i>Rajnish S. Dave and Kamel Khalili</i>	834
PUBLISHED ONLINE 14 APRIL 2010	
Lyn Kinase and ZAP70 Are Substrates of PTPROT in B-Cells: Lyn Inactivation by PTPROT Sensitizes Leukemia Cells to VEGF-R Inhibitor Pazopanib <i>Tasneem Motiwala, Jharna Datta, Huban Kutay, Satavisha Roy, and Samson T. Jacob</i>	846
PUBLISHED ONLINE 5 APRIL 2010	
Tumor Necrosis Factor Alpha Induces LIF Expression Through ERK1/2 Activation in Mammary Epithelial Cells <i>Carolina Schere Levy, Victoria Slomiansky, Albana Gattelli, Karen Nahmod, Federico Pelisch, Matias Blaustein, Anabella Srebrow, Omar A. Coso, and Edith C. Kordon</i>	857
PUBLISHED ONLINE 21 APRIL 2010	
Over-Expression of EDAG in the Myeloid Cell Line 32D: Induction of GATA-1 Expression and Erythroid/Megakaryocytic Phenotype <i>Ya-li Ding, Cheng-Wang Xu, Zhi-Dong Wang, Yi-Qun Zhan, Wei Li, Wang-Xiang Xu, Miao Yu, Chang-Hui Ge, Chang-Yan Li, and Xiao-Ming Yang</i>	866
PUBLISHED ONLINE 5 APRIL 2010	

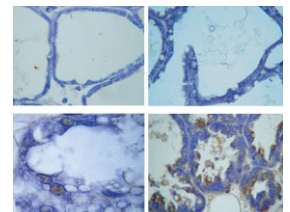
Cover: The cover is a histological section showing increased bone volume and trabecular thickness in ILK^{-/-} mice. Please see article in this issue by Dossa et al, pages 960–967.



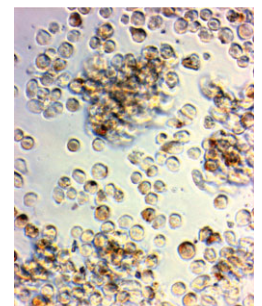
PAGE 815



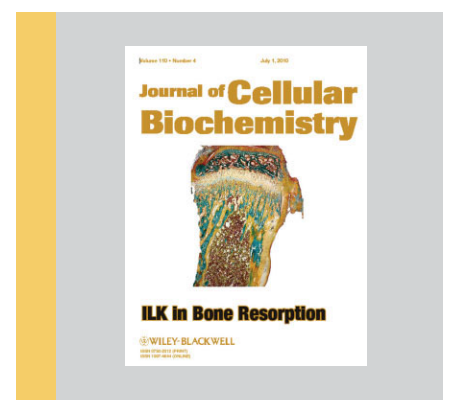
PAGE 837



PAGE 863



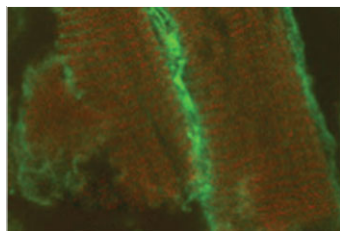
PAGE 870



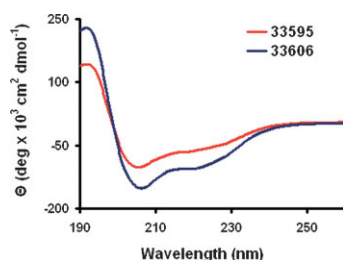
(continued on next page)

CONTENTS

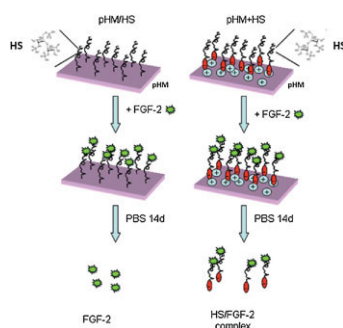
C O N T I N U E D



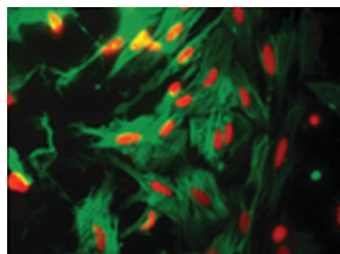
PAGE 880



PAGE 887



PAGE 904



PAGE 938

Expression of a Novel Tropomyosin Isoform in Axolotl Heart and Skeletal Muscle

Anish Thomas, Sudarsan Rajan, Harold L. Thurston, Sreeharsha N. Masineni, Preeti Dube, Abhishek Bose, Vasundhara Muthu, Syamalima Dube, David F. Wiczorek, Bernard J. Poiesz, and Dipak K. Dube875
 PUBLISHED ONLINE 8 APRIL 2010

Conserved Regions From Plasmodium falciparum MSP11 Specifically Interact With Host Cells and Have a Potential Role During Merozoite Invasion of Red Blood Cells

Ana Zuleima Obando-Martinez, Hernando Curtidor, Magnolia Vanegas, Gabriela Arévalo-Pinzón, Manuel Alfonso Patarroyo, and Manuel Elkin Patarroyo.882
 PUBLISHED ONLINE 14 APRIL 2010

Resveratrol Induces Cell-Cycle Disruption and Apoptosis in Chemoresistant B16 Melanoma

Grégory Gatouillat, Emilie Balasse, Débora Joseph-Pietras, Hamid Morjani, and Claudie Madoulet893
 PUBLISHED ONLINE 21 APRIL 2010

Controlled Delivery of the Heparan Sulfate/FGF-2 Complex by a Polyelectrolyte Scaffold Promotes Maximal hMSC Proliferation and Differentiation

Anna Calarco, Orsolina Petillo, Michela Bosetti, Angela Torpedine, Mario Cannas, Lorena Perrone, Umberto Galderisi, Mariaros A.B. Melone, and Gianfranco Peluso903
 PUBLISHED ONLINE 14 APRIL 2010

PI3K Is Involved in L-Selectin- and PSGL-1-Mediated Neutrophil Rolling on E-Selectin Via F-Actin Redistribution and Assembly

Jixian Luo, Tingshuang Xu, Xiaoguang Wang, Xueqing Ba, Xue Feng, Vishwa Deepak, and Xianlu Zeng910
 PUBLISHED ONLINE 20 APRIL 2010

Conditions With High Intracellular Glucose Inhibit Sensing Through Glucose Sensor Snf3 in Saccharomyces cerevisiae

Kaisa Karhumaa, Boqian Wu, and Morten C. Kielland-Brandt920
 PUBLISHED ONLINE 14 APRIL 2010

The Importance of Nuclear Import in Protection of the Vitamin D Receptor from Polyubiquitination and Proteasome-Mediated Degradation

Sara Peleg and Cuong V. Nguyen926
 PUBLISHED ONLINE 21 APRIL 2010

Runx2/Cbfa1, But Not Loss of Myocardin, Is Required for Smooth Muscle Cell Lineage Reprogramming Toward Osteochondrogenesis

Mei Y. Speer, Xianwu Li, Pranoti G. Hiremath, and Cecilia M. Giachelli.935
 PUBLISHED ONLINE 21 APRIL 2010

(continued on next page)

Thrombin Stimulates RPE Cell Motility by PKC- ζ - and NF- κ B-Dependent Gene Expression of MCP-1 and CINC-1/GRO Chemokines

José Prisco Palma-Nicolás, Edith López, and Ana María López-Colomé.948
 PUBLISHED ONLINE 26 APRIL 2010

Osteoclast-Specific Inactivation of the Integrin-Linked Kinase (ILK) Inhibits Bone Resorption

Tanya Dossa, Alice Arabian, Jolene J. Windle, Shoukat Dedhar, Steven L. Teitelbaum, F. Patrick Ross, G. David Roodman, and René St-Arnaud960
 PUBLISHED ONLINE 21 APRIL 2010

Expression and Functions of the Repressor Element 1 (RE-1)-Silencing Transcription Factor (REST) in Breast Cancer

Hui Lv, Guoqing Pan, Guopei Zheng, Xiaoying Wu, Hongzheng Ren, Ying Liu, and Jifang Wen968
 PUBLISHED ONLINE 24 MAY 2010

Raf Kinase Inhibitor Protein Correlates With Sensitivity of Nasopharyngeal Carcinoma to Radiotherapy

Lin Ruan, Guo-Liang Wang, Hong Yi, Yan Chen, Can-E. Tang, Peng-Fei Zhang, Mao-Yu Li, Cui Li, Fang Peng, Jian-Ling Li, and Zhu-Chu Chen975
 PUBLISHED ONLINE 21 APRIL 2010

Molecular Approaches to Examine the Phosphorylation State of the C Type Natriuretic Peptide Receptor

Abdel A. Alli and William R. Gower Jr.985
 PUBLISHED ONLINE 20 APRIL 2010

Valproic Acid Enhances *Oct4* Promoter Activity in Myogenic Cells

Han Fang Teng, Yu-Liang Kuo, Moo Rung Loo, Chung Leung Li, Ta Wei Chu, Hsien Suo, Hang Seng Liu, Kwang Huei Lin, and Shen Liang Chen.995
 PUBLISHED ONLINE 21 APRIL 2010

Expression Pattern and Sub-Cellular Distribution of Phosphoinositide Specific Phospholipase C Enzymes After Treatment With U-73122 in Rat Astrocytoma Cells

Vincenza Rita Lo Vasco, Cinzia Fabrizi, Barbara Panetta, Lorenzo Fumagalli, and Lucio Cocco.1005
 PUBLISHED ONLINE 26 APRIL 2010

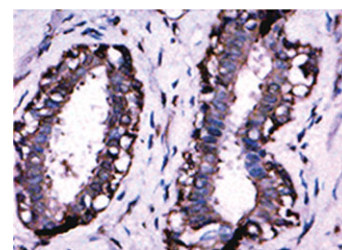
Chloride Intracellular Channel 5 Modulates Adipocyte Accumulation in Skeletal Muscle by Inhibiting Preadipocyte Differentiation

Feng-Na Li, Jing-Dong Yin, Jian-Jun Ni, Ling Liu, Hai-Yan Zhang, and Min Du.1013
 PUBLISHED ONLINE 24 MAY 2010

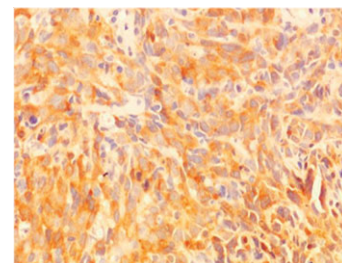
Negative Regulation of *wnt11* Expression by Jnk Signaling During Zebrafish Gastrulation

Jungwon Seo, Yoichi Asaoka, Yoko Nagai, Jun Hirayama, Tokiwa Yamasaki, Misako Namae, Shinya Ohata, Nao Shimizu, Takahiro Negishi, Daiju Kitagawa, Hisato Kondoh, Makoto Furutani-Seiki, Josef M. Penninger, Toshiaki Katada, and Hiroshi Nishina1022
 PUBLISHED ONLINE 28 APRIL 2010

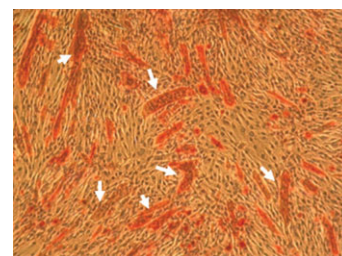
CONTENTS
 CONTINUED



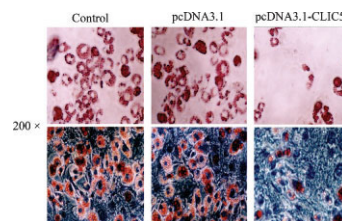
PAGE 970



PAGE 981



PAGE 999



PAGE 1019