

CONTENTS

Journal of Cellular Biochemistry

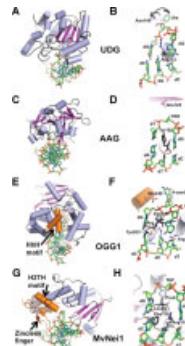
VOLUME 116 • NUMBER 8

CONTENTS	i-iv
EDITOR'S CHOICE	v
FEATURES	vi-vii

BENCHMARK

- An Optimal Medium Supplementation Regimen for Initiation of Hepatocyte Differentiation in Human Induced Pluripotent Stem Cells**
Minoru Tomizawa, Fuminobu Shinozaki, Yasufumi Motoyoshi, Takao Sugiyama,
Shigenori Yamamoto, and Naoki Ishige 1479

ACCEPTED MANUSCRIPT ONLINE 12 FEBRUARY 2015

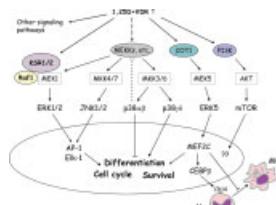


PAGE 1495

PROSPECTS

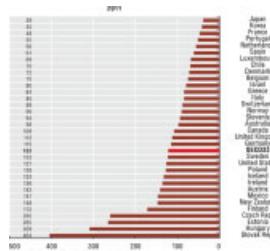
- Base Excision Repair in the Mitochondria** 1490
Aishwarya Prakash and Sylvie Doublie 1490

ACCEPTED MANUSCRIPT ONLINE 9 MARCH 2015



PAGE 1502

ACCEPTED MANUSCRIPT ONLINE 18 FEBRUARY 2015

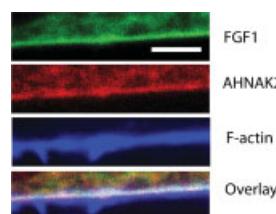


PAGE 1519

ARTICLES

- # AHNAK2 Participates in the Stress-Induced Nonclassical FGF1 Secretion Pathway

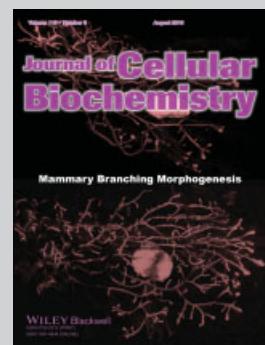
Aleksandr Kirov, Doreen Kacer, Barbara A. Conley, Calvin P.H. Vary, and Igor Prudovsky 1522



PAGE 1527

- Role of Wnt/β-Catenin Signaling in Epithelial Differentiation of Lung
Resident Mesenchymal Stem Cells**
*Chaowen Shi, Tengfei Lv, Zou Xiang, Zhaorui Sun, Weiping Qian, and
Xiaodong Han* 1532

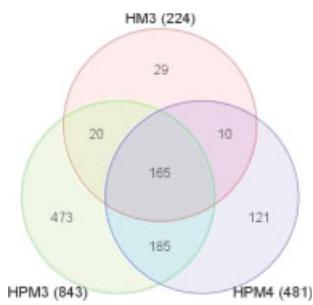
Cover: Representative images of mammary glands from 5-week wild-type (wt) and heparanase overexpressing (Hpa-Tg) Balb/c mice with their branching pattern revealed through autofluorescent signals from carmine-stained tissue. The Hpa-tg mouse gland shows increased branching. See article by Gomes et al. on pages 1668-1679.



(continued on next page)

CONTENTS

CONTINUED



PAGE 1545

Differential Susceptibility of Human Pleural and Peritoneal Mesothelial Cells to Asbestos Exposure

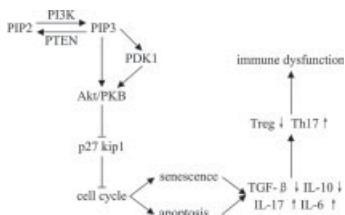
Julie Dragon, Joyce Thompson, Maximilian MacPherson, and Arti Shukla 1540

ACCEPTED MANUSCRIPT ONLINE 10 MARCH 2015

Mechanism of Dose-Dependent Regulation of UBE1L by Polyphenols in Human Bronchial Epithelial Cells

Apei Jiang, Yuan Li, Pengqi Wang, Xiaoyun Shan, Pan Jiang, Xuemin Wang, and Qing Feng 1553

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015



PAGE 1593

Upregulation of miR-362-3p Modulates Proliferation and Anchorage-Independent Growth by Directly Targeting Tob2 in Hepatocellular Carcinoma

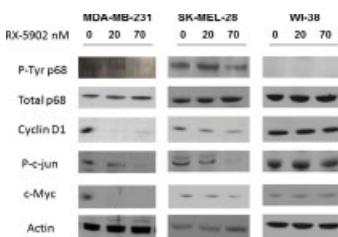
Hongxing Shen, Wenjuan Li, Yuan Tian, Peng Xu, Hui Wang, Jinxiang Zhang, and Youjun Li 1563

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015

NS5ATP9 Promotes Beclin 1-Dependent Starvation-Induced Autophagy of Hepatoblastoma Cells

Min Quan, Shunai Liu, Qi Wang, Guoli Li, Yu Zhang, Shenghu Feng, Jinqiu Liang, and Jun Cheng 1574

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015



PAGE 1599

PTEN/Akt-p27^{kip1} Signaling Promote the BM-MSCs Senescence and Apoptosis in SLE Patients

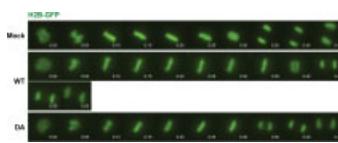
Wei Tan, Zhifeng Gu, Biyu Shen, Jinxia Jiang, Yan Meng, Zhanyun Da, Hong Liu, Tao Tao, and Chun Cheng 1583

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015

A Novel Anti-Cancer Agent, 1-(3,5-Dimethoxyphenyl)-4-[(6-Fluoro-2-Methoxyquinoxalin-3-yl)Aminocarbonyl] Piperazine (RX-5902), Interferes With β-Catenin Function Through Y593 Phospho-p68 RNA Helicase

Gina Chun Kost, Mi Young Yang, Liangwei Li, Yinwei Zhang, Chia-yi Liu, Deog Joong Kim, Chang-Ho Ahn, Young Bok Lee, and Zhi-Ren Liu 1595

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015



PAGE 1610

Timely Degradation of Wip1 Phosphatase by APC/C Activator Protein Cdh1 is Necessary for Normal Mitotic Progression

Ho-Chang Jeong, Na-Yeon Gil, Ho-Soo Lee, Seung-Ju Cho, Kyungtae Kim, Kwang-Hoon Chun, Hyeseong Cho, and Hyuk-Jin Cha 1602

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015

Upregulation of MicroRNA-126 Contributes to Endothelial Progenitor Cell Function in Deep Vein Thrombosis via Its Target PIK3R2

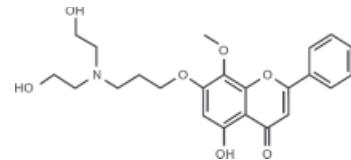
Qingyou Meng, Wenbin Wang, Xiaobin Yu, Wendong Li, Lingshang Kong, Aimin Qian, Chenglong Li, and Xiaoqiang Li 1613

ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015

CONTENTS

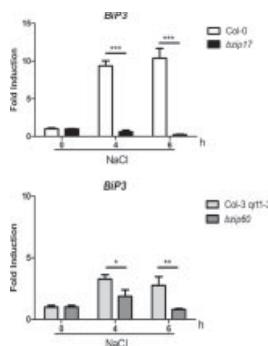
CONTINUED

- FV-429 Induced Apoptosis Through ROS-Mediated ERK2 Nuclear Translocation and p53 Activation in Gastric Cancer Cells**
 Yuxin Zhou, Libin Wei, Haiwei Zhang, Qinsheng Dai, Zhiyu Li, Boyang Yu, Qinglong Guo, and Na Lu 1624
 ACCEPTED MANUSCRIPT ONLINE 3 FEBRUARY 2015



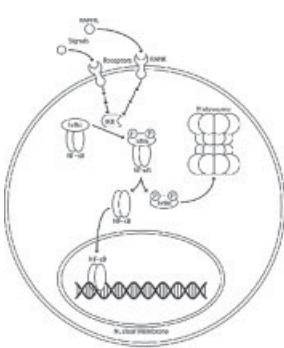
PAGE 1626

- bZIP17 and bZIP60 Regulate the Expression of BiP3 and Other Salt Stress Responsive Genes in an UPR-Independent Manner in *Arabidopsis thaliana***
 Carlos Henriquez-Valencia, Adrian A. Moreno, Omar Sandoval-Ibañez, Irina Mitina, Francisca Blanco-Herrera, Nicolas Cifuentes-Esquivel, and Ariel Orellana 1638
 ACCEPTED MANUSCRIPT ONLINE 19 FEBRUARY 2015



PAGE 1642

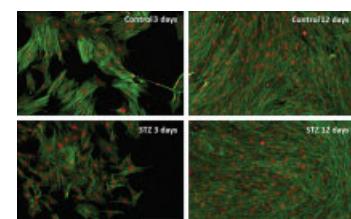
- Reveromycin A-Induced Apoptosis in Osteoclasts Is Not Accompanied by Necrosis**
 Brittany Mead, Heather Morgan, Alyssa Mann-Knowlton, Laura Tedeschi, Chris Sloan, Spenser Lang, Cory Hines, Megan Gragg, Jonathan Stofer, Kaitlin Riemann, Tyler Derr, Emily Heller, David Collins, Paul Landis, Nathan Linna, and Daniel Jones 1646
 ACCEPTED MANUSCRIPT ONLINE 9 MARCH 2015



- The Osteogenic Priming of Mesenchymal Stem Cells Is Impaired in Experimental Diabetes**
 J. C. Silva, P. Sampaio, M. H. Fernandes, and P. S. Gomes 1658
 ACCEPTED MANUSCRIPT ONLINE 19 FEBRUARY 2015

- Mammary Branching Morphogenesis Requires Reciprocal Signaling by Heparanase and MMP-14**
 Angélica Maciel Gomes, Ramray Bhat, Ana Luisa Correia, Joni D. Mott, Neta Ilan, Israel Vlodavsky, Mauro S.G. Pavão, and Mina Bissell 1668
 ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015

- Let-7f Inhibits Glioma Cell Proliferation, Migration, and Invasion by Targeting Periostin**
 Shaofeng Yan, Xiao Han, Hao Xue, Ping Zhang, Xing Guo, Tong Li, Xiaofan Guo, Guang Yuan, Lin Deng, and Gang Li 1680
 ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015



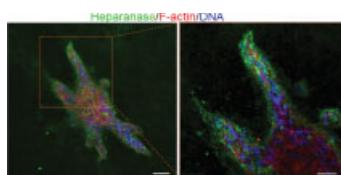
PAGE 1654

- Gene Signatures of 1,25-Dihydroxyvitamin D₃ Exposure in Normal and Transformed Mammary Cells**
 Katrina M. Simmons, Sarah G. Beaudin, Carmen J. Narvaez, and JoEllen Welsh 1693
 ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015

- Possible Impact of RET Polymorphism and Its Haplotypic Association Modulates the Susceptibility to Thyroid Cancer**
 Mosin S. Khan, Arshad A. Pandith, Mohammad Iqbal, Niyaz A. Naykoo, Shoukat H. Khan, Tanveer A. Rather, and Syed Mudassar 1712
 ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015

PAGE 1662

CONTENTS

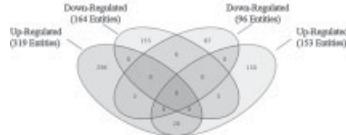


PAGE 1673

CD133+ CD44+ Cells Mediate in the Lung Metastasis of Osteosarcoma

Aina He, Xiaojing Yang, Yujing Huang, Tao Feng, Yonggang Wang, Yuanjue Sun, Zan Shen, and Yang Yao 1719

ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015

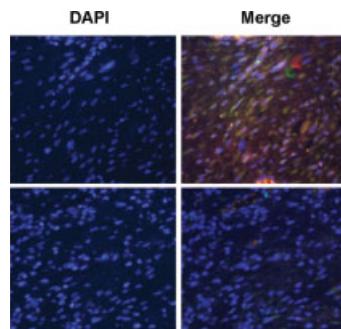


PAGE 1708

Photoactivation of Akt1/GSK3 β Isoform-Specific Signaling Axis Promotes Pancreatic β -Cell Regeneration

Lei Huang, Xiaoxiao Jiang, Longlong Gong, and Da Xing 1741

ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015



PAGE 1722

Protocadherin20 Acts as a Tumor Suppressor Gene: Epigenetic Inactivation in Nasopharyngeal Carcinoma

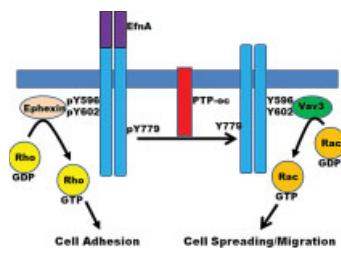
Tao Chen, Biaoli Long, Guosheng Ren, Tingxiu Xiang, Lili Li, Zhaohui Wang, Ya He, Quan Zeng, Suling Hong, and Guohua Hu 1755

ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015

PTEN Inhibits High Glucose-Induced Phenotypic Transition in Podocytes

Lingling Xing, Qingjuan Liu, Shuxia Fu, Shaomei Li, Lin Yang, Shuxia Liu, Jun Hao, Lianying Yu, and Huijun Duan 1776

ACCEPTED MANUSCRIPT ONLINE 3 MARCH 2015



PAGE 1794

An Osteoclastic Transmembrane Protein-Tyrosine Phosphatase Enhances Osteoclast Activity in Part by Dephosphorylating EphA4 in Osteoclasts

Kin-Hing William Lau, Mehran Amoui, Virginia Stiffel, Shin-Tai Chen, and Matilda H.-C. Sheng 1785

ACCEPTED MANUSCRIPT ONLINE 11 FEBRUARY 2015

Inhibition of Transforming Growth Factor- β (TGF- β) Signaling by *Scutellaria baicalensis* and *Fritillaria cirrhosa* Extracts in Endometrial Cancer

Amber A. Bokhari and Viqar Syed 1797

ACCEPTED MANUSCRIPT ONLINE 12 FEBRUARY 2015