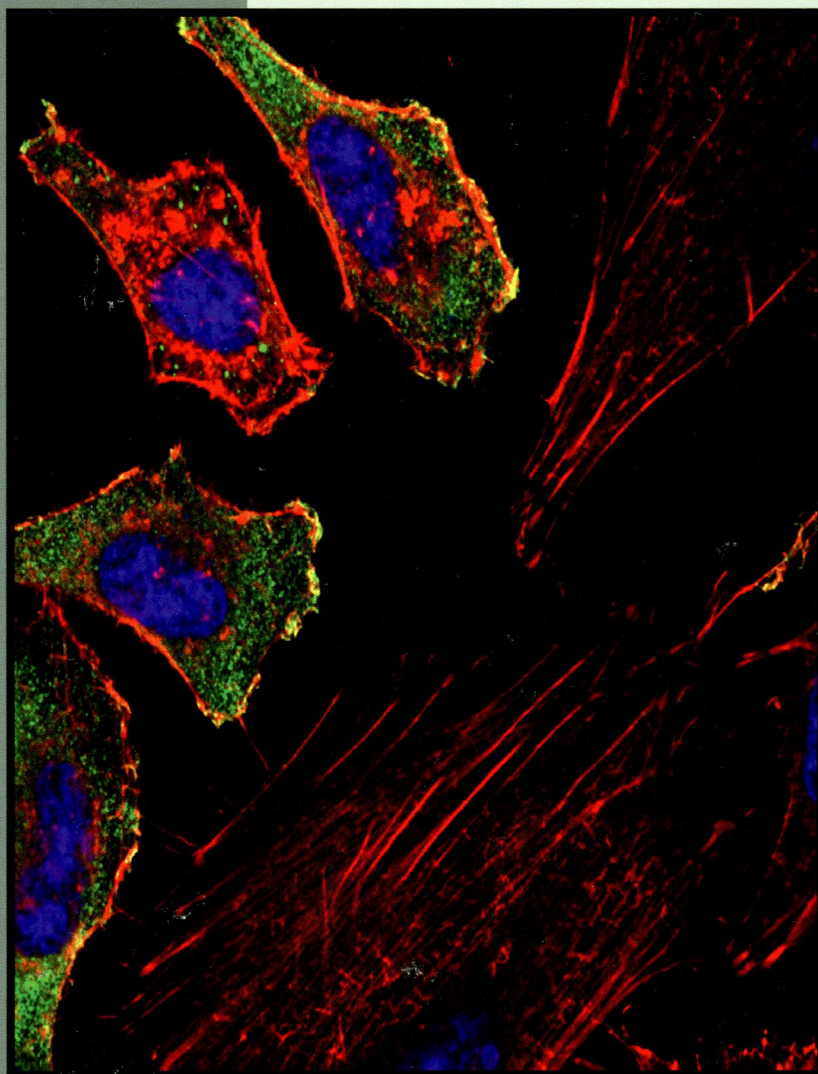


M
M7g/c



Published Twice Monthly
January 2014, Volume 34, Number 2



AMERICAN
SOCIETY FOR
MICROBIOLOGY

MCB

Molecular and Cellular Biology

TABLE OF CONTENTS

SPOTLIGHT

Articles of Significant Interest Selected from This Issue by the Editors

147

ARTICLES

AMP-Activated Protein Kinase Induces p53 by Phosphorylating MDMX and Inhibiting Its Activity

Guifen He, Yi-Wei Zhang, Jun-Ho Lee, Shelya X. Zeng, Yunyuan V. Wang, Zhijun Luo, X. Charlie Dong, Benoit Viollet, Geoffrey M. Wahl, Hua Lu

148–157

LSD1 Regulates Pluripotency of Embryonic Stem/Carcinoma Cells through Histone Deacetylase 1-Mediated Deacetylation of Histone H4 at Lysine 16

Feng Yin, Rongfeng Lan, Xiaoming Zhang, Linyu Zhu, Fangfang Chen, Zhengshuang Xu, Yuqing Liu, Tao Ye, Hong Sun, Fei Lu, Hui Zhang

158–179

Transforming Growth Factor β Regulates P-Body Formation through Induction of the mRNA Decay Factor Tristetraprolin

Fernando F. Blanco, Sandhya Sanduja, Natasha G. Deane, Perry J. Blackshear, Dan A. Dixon

180–195

Gamma Interferon-Induced Guanylate Binding Protein 1 Is a Novel Actin Cytoskeleton Remodeling Factor

Nicole Ostler, Nathalie Britzen-Laurent, Andrea Liebl, Elisabeth Naschberger, Günter Lochnit, Markus Ostler, Florian Forster, Peter Kunzelmann, Semra Ince, Verena Supper, Gerrit J. K. Praefcke, Dirk W. Schubert, Hannes Stockinger, Christian Herrmann, Michael Stürzl

196–209

Sad1 Counteracts Brr2-Mediated Dissociation of U4/U6.U5 in Tri-snRNP Homeostasis

Yu-Hsin Huang, Che-Sheng Chung, Der-I Kao, Tzu-Chung Kao, Soo-Chen Cheng

210–220

The KRAB Zinc Finger Protein RSL1 Modulates Sex-Biased Gene Expression in Liver and Adipose Tissue To Maintain Metabolic Homeostasis

Christopher J. Krebs, Deqiang Zhang, Lei Yin, Diane M. Robins

221–232

Tle4 Regulates Epigenetic Silencing of Gamma Interferon Expression during Effector T Helper Cell Tolerance

Sanmay Bandyopadhyay, Rut Valdor, Fernando Macian

233–245

Identification of a Novel Protein Interaction Motif in the Regulatory Subunit of Casein Kinase 2

Jennifer Yinuo Cao, Kathy Shire, Cameron Landry, Gerald D. Gish, Tony Pawson, Lori Frappier

246–258

Beta-Like Importins Mediate the Nuclear Translocation of Mitogen-Activated Protein Kinases

Eldar Zehorai, Rony Seger

259–270

Receptor Tyrosine Kinase Ubiquitylation Involves the Dynamic Regulation of Cbl-Spry2 by Intersectin 1 and the Shp2 Tyrosine Phosphatase

Mustafa Nazir Okur, Angela Russo, John P. O'Bryan

271–279

An Investigation of the Effects of the Core Protein Telomerase Reverse Transcriptase on Wnt Signaling in Breast Cancer Cells

Imke Listerman, Francesca S. Gazzaniga, Elizabeth H. Blackburn

280–289

**Pknox1/Prep1 Regulates Mitochondrial Oxidative
Phosphorylation Components in Skeletal Muscle**

Timo Kanzleiter, Michaela Rath,
Dmitry Penkov, Dmytro Puchkov,
Nadja Schulz, Francesco Blasi, Annette
Schürmann

290–298