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ARTICLES

- Histone Deacetylase Inhibitors Induce VHL and Ubiquitin-Independent Proteasomal Degradation of Hypoxia-Inducible Factor 1 α** Xianguo Kong, Zhao Lin, Dongming Liang, Donna Fath, Nianli Sang, and Jaime Caro 2019–2028
- A Novel RNA Binding Domain in *Tetrahymena* Telomerase p65 Initiates Hierarchical Assembly of Telomerase Holoenzyme** Catherine M. O'Connor and Kathleen Collins 2029–2036
- Generation and Characterization of Telomere Length Maintenance in Tankyrase 2-Deficient Mice** Y. Jeffrey Chiang, My-Linh Nguyen, Sujatha Gurunathan, Patrick Kaminker, Lino Tessarollo, Judith Campisi, and Richard J. Hodes 2037–2043
- Tankyrase 2 Poly(ADP-Ribose) Polymerase Domain-Deleted Mice Exhibit Growth Defects but Have Normal Telomere Length and Capping** Susan J. Hsiao, Marc F. Poitras, Brandoch D. Cook, Yie Liu, and Susan Smith 2044–2054
- Novel Cross Talk of Krüppel-Like Factor 4 and β -Catenin Regulates Normal Intestinal Homeostasis and Tumor Repression** Wen Zhang, Xi Chen, Yoichi Kato, Paul M. Evans, Subo Yuan, Jun Yang, Piotr G. Rychahou, Vincent W. Yang, Xi He, B. Mark Evers, and Chunming Liu 2055–2064
- PB1 Domain-Dependent Signaling Complex Is Required for Extracellular Signal-Regulated Kinase 5 Activation** Kazuhiro Nakamura, Mark T. Uhlik, Nancy L. Johnson, Klaus M. Hahn, and Gary L. Johnson 2065–2079
- Inflammatory Disease and Lymphomagenesis Caused by Deletion of the Myc Antagonist Mnt in T Cells** Shala Dezfouli, Antony Bakke, Jie Huang, Anthony Wynshaw-Boris, and Peter J. Hurlin 2080–2092
- Normal Cells, but Not Cancer Cells, Survive Severe Plk1 Depletion** Xiaoqi Liu, Ming Lei, and Raymond L. Erikson 2093–2108
- Differential Methylation of *Xite* and CTCF Sites in *Tsix* Mirrors the Pattern of X-Inactivation Choice in Mice** Rebecca Maxfield Boumil, Yuya Ogawa, Bryan K. Sun, Khanh D. Huynh, and Jeannie T. Lee 2109–2117
- p38 Mitogen-Activated Protein Kinase Mediates the Fas-Induced Mitochondrial Death Pathway in CD8⁺ T Cells** Nicholas Farley, Gustavo Pedraza-Alva, Diego Serrano-Gomez, Viswas Nagaleekar, Alexander Aronshtam, Troy Krahl, Tina Thornton, and Mercedes Rincón 2118–2129
- Rap1-Mediated Activation of Extracellular Signal-Regulated Kinases by Cyclic AMP Is Dependent on the Mode of Rap1 Activation** Zhiping Wang, Tara J. Dillon, Viji Pokala, Snigdha Mishra, Kirstin Labudda, Brian Hunter, and Philip J. S. Stork 2130–2145
- Regulation of Cellular Immortalization and Steady-State Levels of the Telomerase Reverse Transcriptase through Its Carboxy-Terminal Domain** Elaine J. Middleman, Jinkuk Choi, Andrew S. Venteicher, Peggie Cheung, and Steven E. Artandi 2146–2159
- Involvement of Rac1 in Activation of Multicomponent Nox1- and Nox3-Based NADPH Oxidases** Takehiko Ueyama, Miklós Geiszt, and Thomas L. Leto 2160–2174
- Myosin VI Is a Mediator of the p53-Dependent Cell Survival Pathway** Eun Joo Jung, Gang Liu, Wenjing Zhou, and Xinbin Chen 2175–2186
- A Regulated Nucleocytoplasmic Shuttle Contributes to Bright's Function as a Transcriptional Activator of Immunoglobulin Genes** Dongkyoon Kim and Philip W. Tucker 2187–2201

Continued on following page

The Molecular Scaffold Kinase Suppressor of Ras 1 Is a Modifier of Ras^{V12}-Induced and Replicative Senescence	Robert L. Kortum, Heidi J. Johnson, Diane L. Costanzo, Deanna J. Volle, Gina L. Razioldo, Angela M. Fusello, Andrey S. Shaw, and Robert E. Lewis	2202–2214
Inhibition of ADP/ATP Exchange in Receptor-Interacting Protein-Mediated Necrosis	Vladislav Temkin, Qiuan Huang, Hongtao Liu, Hiroyuki Osada, and Richard M. Pope	2215–2225
Condensin Loaded onto the Replication Fork Barrier Site in the rRNA Gene Repeats during S Phase in a <i>FOBI</i>-Dependent Fashion To Prevent Contraction of a Long Repetitive Array in <i>Saccharomyces cerevisiae</i>	Katsuki Johzuka, Masahiro Terasawa, Hideyuki Ogawa, Tomoko Ogawa, and Takashi Horiuchi	2226–2236
An Apparent Pseudo-Exon Acts both as an Alternative Exon That Leads to Nonsense-Mediated Decay and as a Zero-Length Exon	Sushma-Nagaraja Grellscheid and Christopher W. J. Smith	2237–2246
A Spatiotemporally Coordinated Cascade of Protein Kinase C Activation Controls Isoform-Selective Translocation	Alejandra Collazos, Barthélémy Diouf, Nathalie C. Guérineau, Corinne Quittau-Prévostel, Marion Peter, Fanny Coudane, Frédéric Hollande, and Dominique Joubert	2247–2261
Regulation and Role of Raf-1/B-raf Heterodimerization	Linda K. Rushworth, Alison D. Hindley, Eric O'Neill, and Walter Kolch	2262–2272
CARM1 Regulates Proliferation of PC12 Cells by Methylating HuD	Tatsuji Fujiwara, Yasutake Mori, Dong Ling Chu, Yoshihisa Koyama, Shingo Miyata, Hiroyuki Tanaka, Kohji Yachi, Tateki Kubo, Hideki Yoshikawa, and Masaya Tohyama	2273–2285
A Family Knockout of All Four <i>Drosophila</i> Metallothioneins Reveals a Central Role in Copper Homeostasis and Detoxification	Dieter Egli, Hasmik Yepiskoposyan, Anand Selvaraj, Kuppusamy Balamurugan, Rama Rajaram, Andreas Simons, Gerd Multhaup, Simone Mettler, Alla Vardanyan, Oleg Georgiev, and Walter Schaffner	2286–2296
The Biological Impact of the Human Master Regulator p53 Can Be Altered by Mutations That Change the Spectrum and Expression of Its Target Genes	Daniel Menendez, Alberto Inga, and Michael A. Resnick	2297–2308
Murine Cathepsin F Deficiency Causes Neuronal Lipofuscinosis and Late-Onset Neurological Disease	Chi-Hui Tang, Je-Wook Lee, Michael G. Galvez, Liliane Robillard, Sara E. Mole, and Harold A. Chapman	2309–2316
Generation and Characterization of <i>dickkopf3</i> Mutant Mice	Ivan del Barco Barrantes, Ana Montero-Pedrazuela, Ana Guadaño-Ferraz, Maria-Jesus Obregon, Raquel Martinez de Mena, Valérie Gailus-Durner, Helmut Fuchs, Tobias J. Franz, Svetoslav Kalaydjiev, Martina Klempt, Sabine Hölter, Birgit Rathkolb, Claudia Reinhard, Gabriella Morreale de Escobar, Juan Bernal, Dirk H. Busch, Wolfgang Wurst, Eckhard Wolf, Holger Schulz, Svetlana Shtrom, Erich Greiner, Martin Hrabé de Angelis, Heiner Westphal, and Christof Niehrs	2317–2326

CARMA1 Is Required for Akt-Mediated NF-κB Activation in T Cells	Preeti Narayan, Brittany Holt, Richard Tosti, and Lawrence P. Kane	2327–2336
Supramolecular Complexes Mediate Selenocysteine Incorporation In Vivo	Andrea Small-Howard, Nadya Morozova, Zoia Stoytcheva, Erin P. Forry, John B. Mansell, John W. Harney, Bradley A. Carlson, Xue-ming Xu, Dolph L. Hatfield, and Marla J. Berry	2337–2346
Nipped-A, the Tra1/TRRAP Subunit of the <i>Drosophila</i> SAGA and Tip60 Complexes, Has Multiple Roles in Notch Signaling during Wing Development	Maria Gause, Joel C. Eissenberg, Amy F. MacRae, Maia Dorsett, Ziva Misulovin, and Dale Dorsett	2347–2359
Targeting of C-Terminal Binding Protein (CtBP) by ARF Results in p53-Independent Apoptosis	Seema Paliwal, Sandhya Pande, Ramesh C. Kovi, Norman E. Sharpless, Nabeel Bardeesy, and Steven R. Grossman	2360–2372
Activation of Transferrin Receptor 1 by c-Myc Enhances Cellular Proliferation and Tumorigenesis	Kathryn A. O'Donnell, Duonan Yu, Karen I. Zeller, Jung-whan Kim, Frederick Racke, Andrei Thomas-Tikhonenko, and Chi V. Dang	2373–2386
Regulation of PCNA and Cyclin D1 Expression and Epithelial Morphogenesis by the ZO-1-Regulated Transcription Factor ZONAB/DbpA	Tony Sourisseau, Anastasios Georgiadis, Anna Tsapara, Robin R. Ali, Richard Pestell, Karl Matter, and Maria S. Balda	2387–2398
Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 Regulates Tumor Necrosis Factor mRNA Stability and Translation Mainly by Altering Tristetraprolin Expression, Stability, and Binding to Adenine/Uridine-Rich Element	Edward Hitti, Tatiana Iakovleva, Matthew Brook, Stefanie Deppenmeier, Achim D. Gruber, Danuta Radzioch, Andrew R. Clark, Perry J. Blackshear, Alexey Kotlyarov, and Matthias Gaestel	2399–2407
Posttranslational Regulation of Tristetraprolin Subcellular Localization and Protein Stability by p38 Mitogen-Activated Protein Kinase and Extracellular Signal-Regulated Kinase Pathways	Matthew Brook, Carmen R. Tchen, Tomas Santalucia, Joanne McIlrath, J. Simon C. Arthur, Jeremy Saklatvala, and Andrew R. Clark	2408–2418
A Nucleolin-Binding 3' Untranslated Region Element Stabilizes β-Globin mRNA In Vivo	Yong Jiang, Xiang-Sheng Xu, and J. Eric Russell	2419–2429
Phosphorylation of the Cyclin-Dependent Kinase Inhibitor p21^{Cip1} on Serine 130 Is Essential for Viral Cyclin-Mediated Bypass of a p21^{Cip1}-Imposed G₁ Arrest	Annika Järviluoma, Emma S. Child, Grzegorz Sarek, Papinya Sirimongkolkasem, Gordon Peters, Päivi M. Ojala, and David J. Mann	2430–2440
The p110 Isoform of the CDP/Cux Transcription Factor Accelerates Entry into S Phase	Laurent Sansregret, Brigitte Goulet, Ryoko Harada, Brian Wilson, Lam Leduy, Jacques Bertoglio, and Alain Nepveu	2441–2455
Distinct Mechanisms Control the Stability of the Related S-Phase Cyclins Clb5 and Clb6	Leisa P. Jackson, Steven I. Reed, and Steven B. Haase	2456–2466

Cover photograph (Copyright © 2006, American Society for Microbiology. All Rights Reserved.): Wild-type and *stm1-M1* mutant colonies of the yeast *Kluyveromyces lactis*. The mutant, identified in a screen for irregular colonies, maintains long and highly heterogeneous telomeres using recombination. The colonies are shown overlaid on a background of a rare Mexican obsidian of irregular composition. (See related article in September 2005, vol. 25: issue 18, p. 8064.)