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ARTICLES

- RalGDS Couples Growth Factor Signaling to Akt Activation** Yansheng Hao, Richard Wong, and Larry A. Feig 2851–2859
- Regulation of Transcription Factor NFAT by ADP-Ribosylation** Opeyemi A. Olabisi, Noemi Soto-Nieves, Edward Nieves, Teddy T. C. Yang, XiaoYong Yang, Raymond Y. L. Yu, Hee Yun Suk, Fernando Macian, and Chi-Wing Chow 2860–2871
- Delineation of the Protein Module That Anchors HMGN Proteins to Nucleosomes in the Chromatin of Living Cells** Tetsuya Ueda, Frédéric Catez, Gabi Gerlitz, and Michael Bustin 2872–2883
- Changes in the Distributions and Dynamics of Polycomb Repressive Complexes during Embryonic Stem Cell Differentiation** Xiaojun Ren, Claudius Vincenz, and Tom K. Kerppola 2884–2895
- Staufen1 Regulation of Protein Synthesis-Dependent Long-Term Potentiation and Synaptic Function in Hippocampal Pyramidal Cells** Geneviève Lebeau, Marjolaine Maher-Laporte, Lisa Topolnik, Charles E. Laurent, Wayne Sossin, Luc DesGroseillers, and Jean-Claude Lacaille 2896–2907
- Presenilin 1 Interacts with Acetylcholinesterase and Alters Its Enzymatic Activity and Glycosylation** María-Ximena Silveyra, Geneviève Evin, María-Fernanda Montenegro, Cecilio J. Vidal, Salvador Martínez, Janetta G. Culvenor, and Javier Sáez-Valero 2908–2919
- The Transcriptional Coactivator SAYP Is a Trithorax Group Signature Subunit of the PBAP Chromatin Remodeling Complex** Gillian E. Chalkley, Yuri M. Moshkin, Karin Langenberg, Karel Bezstarosti, Andras Blastyak, Henrik Gyurkovics, Jeroen A. A. Demmers, and C. Peter Verrijzer 2920–2929
- Parafibromin, a Component of the Human PAF Complex, Regulates Growth Factors and Is Required for Embryonic Development and Survival in Adult Mice** Pengfei Wang, Michael R. Bowl, Stephanie Bender, Jun Peng, Leslie Farber, Jindong Chen, Asif Ali, ZhongFa Zhang, Arthur S. Alberts, Rajesh V. Thakker, Ali Shilatifard, Bart O. Williams, and Bin Tean Teh 2930–2940
- β -Catenin Interacts with MyoD and Regulates Its Transcription Activity** Chang-Hoon Kim, Hannah Neiswender, Eun Joo Baik, Wen C. Xiong, and Lin Mei 2941–2951
- Protein Kinase A Represses Skeletal Myogenesis by Targeting Myocyte Enhancer Factor 2D** Min Du, Robert L. S. Perry, Nathaniel B. Nowacki, Joseph W. Gordon, Jahan Salma, Jianzhong Zhao, Arif Aziz, Joseph Chan, K. W. Michael Siu, and John C. McDermott 2952–2970
- Biphasic Response of Pancreatic β -Cell Mass to Ablation of Tuberous Sclerosis Complex 2 in Mice** Yutaka Shigeyama, Toshiyuki Kobayashi, Yoshiaki Kido, Naoko Hashimoto, Shun-ichiro Asahara, Tomokazu Matsuda, Akihiko Takeda, Tae Inoue, Yuki Shibutani, Maki Koyanagi, Tohru Uchida, Maki Inoue, Okio Hino, Masato Kasuga, and Tetsuo Noda 2971–2979

Continued on following page

LRP-1 Silencing Prevents Malignant Cell Invasion despite Increased Pericellular Proteolytic Activities	Stéphane Dedieu, Benoît Langlois, Jérôme Devy, Brice Sid, Patrick Henriet, Hervé Sartelet, Georges Bellon, Hervé Emonard, and Laurent Martiny	2980–2995
mGluR-Dependent Long-Term Depression Is Associated with Increased Phosphorylation of S6 and Synthesis of Elongation Factor 1A but Remains Expressed in S6K-Deficient Mice	Marcia D. Antion, Lingfei Hou, Helen Wong, Charles A. Hoeffler, and Eric Klann	2996–3007
Translational Control by a Small RNA: Dendritic BC1 RNA Targets the Eukaryotic Initiation Factor 4A Helicase Mechanism	Daisy Lin, Tatyana V. Pestova, Christopher U. T. Hellen, and Henri Tiedge	3008–3019
A Tale of Two Cbls: Interplay of c-Cbl and Cbl-b in Epidermal Growth Factor Receptor Downregulation	Steven Pennock and Zhixiang Wang	3020–3037
Degradation of a Polyadenylated rRNA Maturation By-Product Involves One of the Three RRP6-Like Proteins in <i>Arabidopsis thaliana</i>	Heike Lange, Sarah Holec, Valérie Cognat, Laurent Pieuchot, Monique Le Ret, Jean Canaday, and Dominique Gagliardi	3038–3044
Splicing Factors SF1 and U2AF Associate in Extrapliceosomal Complexes	José Rino, Joana M. P. Desterro, Teresa R. Pacheco, Theodorus W. J. Gadella, Jr., and Maria Carmo-Fonseca	3045–3057
A Glycine-Arginine Domain in Control of the Human MRE11 DNA Repair Protein	Ugo Déry, Yan Coulombe, Amélie Rodrigue, Andrzej Stasiak, Stéphane Richard, and Jean-Yves Masson	3058–3069
Evidence for an Overlapping Role of CLOCK and NPAS2 Transcription Factors in Liver Circadian Oscillators	Cristiano Bertolucci, Nicola Cavallari, Ilaria Colognesi, Jacopo Aguzzi, Zheng Chen, Pierpaolo Caruso, Augusto Foá, Gianluca Tosini, Francesco Bernardi, and Mirko Pinotti	3070–3075
Activation of FoxM1 during G₂ Requires Cyclin A/Cdk-Dependent Relief of Autorepression by the FoxM1 N-Terminal Domain	Jamila Laoukili, Monica Alvarez, Lars A. T. Meijer, Marie Stahl, Shabaz Mohammed, Livio Kleij, Albert J. R. Heck, and René H. Medema	3076–3087

Cover photograph (Copyright © 2008, American Society for Microbiology. All Rights Reserved.): Live-cell imaging of human MRE11 fused to yellow fluorescent protein following laser-induced DNA damage. The localization of human MRE11 to DNA double-strand breaks is dependent on a glycine-arginine-rich region. Fluorescence was monitored over 5 minutes by live-cell microscopy using a laser-scanning confocal microscopy (Olympus FV1000). (See related article on page 3058.)