

MOLECULAR AND CELLULAR BIOLOGY

Volume 29

June 2009

No. 12

ARTICLES

- | | | |
|---|---|-----------|
| Functional Association of the Microprocessor Complex with the Spliceosome | Naoyuki Kataoka, Megumi Fujita, and Mutsuhito Ohno | 3243–3254 |
| A Novel Mechanism of Antagonism between ATP-Dependent Chromatin Remodeling Complexes Regulates RNR3 Expression | Raghuvir S. Tomar, James N. Psathas, Hesheng Zhang, Zhengjian Zhang, and Joseph C. Reese | 3255–3265 |
| Fas-Mediated Apoptosis Is Regulated by the Extracellular Matrix Protein CCN1 (CYR61) In Vitro and In Vivo | Vladislava Juric, Chih-Chiun Chen, and Lester F. Lau | 3266–3279 |
| Cyclin T2 Is Essential for Mouse Embryogenesis | Jiri Kohoutek, Qintong Li, Dalibor Blazek, Zeping Luo, Huimin Jiang, and B. Matija Peterlin | 3280–3285 |
| All-trans-Retinoic Acid Represses Obesity and Insulin Resistance by Activating both Peroxisome Proliferation-Activated Receptor β/δ and Retinoic Acid Receptor | Daniel C. Berry and Noa Noy | 3286–3296 |
| Phospholipase D1 Regulates Lymphocyte Adhesion via Upregulation of Rap1 at the Plasma Membrane | Adam Mor, Joseph P. Wynne, Ian M. Ahearn, Michael L. Dustin, Guangwei Du, and Mark R. Philips | 3297–3306 |
| Polyubiquitination by HECT E3s and the Determinants of Chain Type Specificity | Hyung Cheol Kim and Jon M. Huibregtse | 3307–3318 |
| A Naturally Occurring HER2 Carboxy-Terminal Fragment Promotes Mammary Tumor Growth and Metastasis | Kim Pedersen, Pier-Davide Angelini, Sirle Laos, Alba Bach-Faig, Matthew P. Cunningham, Cristina Ferrer-Ramón, Antonio Luque-García, Jesús García-Castillo, Josep Lluís Parra-Palau, Maurizio Scaltriti, Santiago Ramón y Cajal, José Baselga, and Joaquín Arribas | 3319–3331 |
| Cell Density-Dependent Inhibition of Epidermal Growth Factor Receptor Signaling by p38α Mitogen-Activated Protein Kinase via Sprouty2 Downregulation | Aneta Swat, Ignacio Dolado, Jose Maria Rojas, and Angel R. Nebreda | 3332–3343 |
| Human DNA Polymerase η Is Required for Common Fragile Site Stability during Unperturbed DNA Replication | Laurie Rey, Julia M. Sidorova, Nadine Puget, François Boudsocq, Denis S. F. Biard, Raymond J. Monnat, Jr., Christophe Cazaux, and Jean-Sébastien Hoffmann | 3344–3354 |
| Direct Interaction between Myocyte Enhancer Factor 2 (MEF2) and Protein Phosphatase 1α Represses MEF2-Dependent Gene Expression | R. L. S. Perry, C. Yang, N. Soora, J. Salma, M. Marback, L. Naghibi, H. Ilyas, J. Chan, J. W. Gordon, and J. C. McDermott | 3355–3366 |
| Regulation of Jak2 Function by Phosphorylation of Tyr₃₁₇ and Tyr₆₃₇ during Cytokine Signaling | Scott A. Robertson, Rositsa I. Koleva, Lawrence S. Argetsinger, Christin Carter-Su, Jarrod A. Marto, Edward P. Feener, and Martin G. Myers, Jr. | 3367–3378 |
| Extracellular Signal-Regulated Kinase 2-Dependent Phosphorylation Induces Cytoplasmic Localization and Degradation of p21^{Cip1} | Chae Young Hwang, Cheolju Lee, and Ki-Sun Kwon | 3379–3389 |
| The Cell Surface Receptor Tartan Is a Potential In Vivo Substrate for the Receptor Tyrosine Phosphatase Ptp52F | Lakshmi Bugga, Anuradha Ratnaparkhi, and Kai Zinn | 3390–3400 |

Continued on following page

Ubiquitin-Regulated Recruitment of IκB Kinase ϵ to the MAVS Interferon Signaling Adapter	Suzanne Paz, Myriam Vilasco, Meztli Arguello, Qiang Sun, Judith Lacoste, Thi Lien-Anh Nguyen, Tiejun Zhao, Elena A. Shestakova, Scott Zaari, Annie Bibeau-Poirier, Marc J. Servant, Rongtuan Lin, Eliane F. Meurs, and John Hiscott	3401–3412
Coactivator Function Defines the Active Estrogen Receptor Alpha Cistrome	Mathieu Lupien, Jérôme Eeckhoutte, Clifford A. Meyer, Susan A. Krum, Daniel R. Rhodes, X. Shirley Liu, and Myles Brown	3413–3423
Identification of Domains Responsible for Ubiquitin-Dependent Degradation of dMyc by Glycogen Synthase Kinase 3β and Casein Kinase 1 Kinases	Margherita Galletti, Sara Riccardo, Federica Parisi, Carlina Lora, Mahesh Kumar Saqena, Leinny Rivas, Bonnie Wong, Alexis Serra, Florenci Serras, Daniela Grifoni, PierGiuseppe Pelicci, Jin Jiang, and Paola Bellosta	3424–3434
Differential Regulation of Human Interferon A Gene Expression by Interferon Regulatory Factors 3 and 7	Pierre Génin, Rongtuan Lin, John Hiscott, and Ahmet Civas	3435–3450
AUTHORS' CORRECTIONS		
Angiopoietin 2 Is a Partial Agonist/Antagonist of Tie2 Signaling in the Endothelium	Hai Tao Yuan, Eliyahu V. Khankin, S. Ananth Karumanchi, and Samir M. Parikh	3451
CD6 Regulates T-Cell Responses through Activation-Dependent Recruitment of the Positive Regulator SLP-76	Namir J. Hassan, Stephen J. Simmonds, Nicholas G. Clarkson, Sarah Hanrahan, Michael J. Puklavec, Martine Bomb, A. Neil Barclay, and Marion H. Brown	3452
RETRACTIONS		
A Zinc Finger Transcription Factor, αA-Crystallin Binding Protein 1, Is a Negative Regulator of the Chondrocyte-Specific Enhancer of the α1(II) Collagen Gene	Kazuhiro Tanaka, Yoshihiro Matsumoto, Fumihiko Nakatani, Yukihide Iwamoto, and Yoshihiko Yamada	3453
A Krüppel-Associated Box–Zinc Finger Protein, NT2, Represses Cell-Type-Specific Promoter Activity of the α2(XI) Collagen Gene	Kazuhiro Tanaka, Noriyuki Tsumaki, Christine A. Kozak, Yoshihiro Matsumoto, Fumihiko Nakatani, Yukihide Iwamoto, and Yoshihiko Yamada	3453

Cover photograph (Copyright © 2009, American Society for Microbiology. All Rights Reserved.): Glycogen synthase kinase 3 β (GSK3 β) controls dMyc protein expression in vivo. Shown is a pseudocolored montage of photos from *Drosophila* imaginal discs in which flip-out clones have been induced to overexpress green fluorescent protein alone (top row) or together with dMyc (second and third rows), GSK3 β alone (fourth row), or dMyc together with GSK3 β (fifth and sixth rows). Staining with antibodies against dMyc protein (red in third and sixth rows) shows how dMyc protein level is reduced in the presence of GSK3 β , indicating that this kinase is responsible for the degradation of dMyc. Consistent with this effect, we found that coexpression of dMyc with GSK3 β reduces the growth advantage of clones overexpressing dMyc alone, further confirming that overexpression of GSK3 β reduces dMyc protein expression. (See related article on p. 3424.)