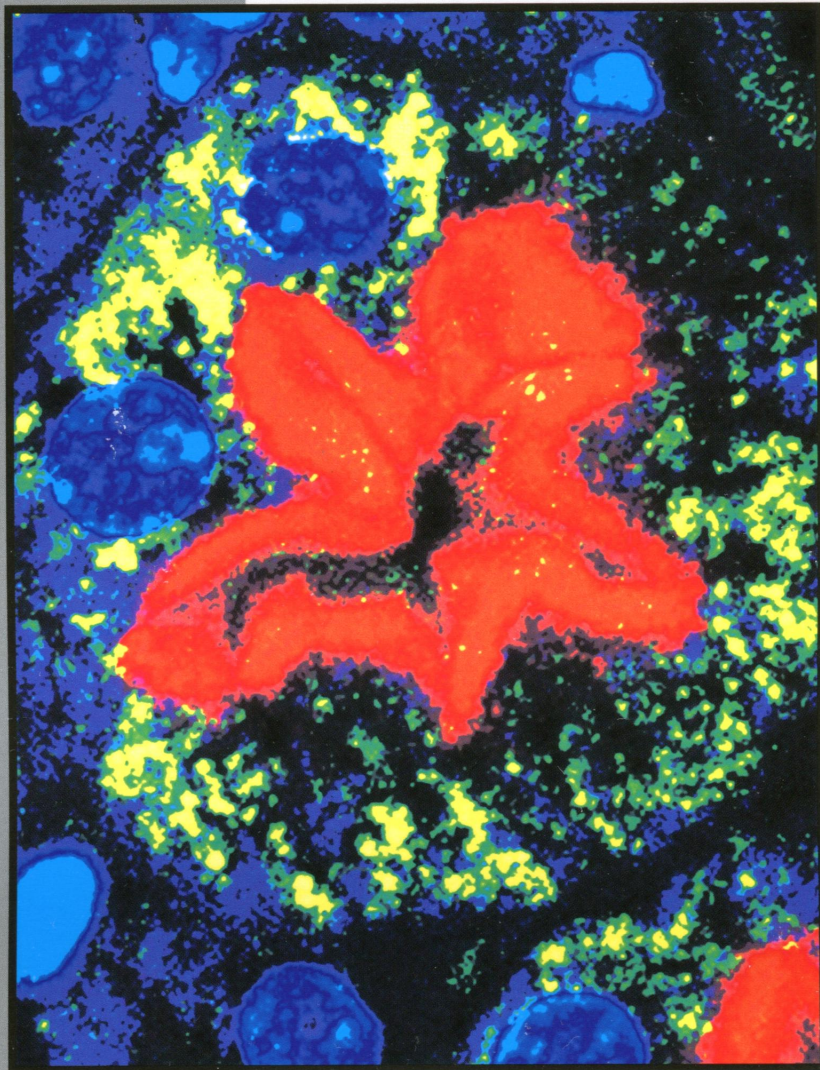


MU  
M79/c



Published Twice Monthly  
July 2014, Volume 34, Number 13



AMERICAN  
SOCIETY FOR  
MICROBIOLOGY

# MICB

Molecular and Cellular Biology



## TABLE OF CONTENTS

### SPOTLIGHT

- Article of Significant Interest Selected from This Issue by the Editors 2359

### ARTICLES

- Yeast DEAD Box Protein Mss116p Is a Transcription Elongation Factor That Modulates the Activity of Mitochondrial RNA Polymerase** Dmitriy A. Markov, Ireneusz D. Wojtas, Kassandra Tessitore, Simone Henderson, William T. McAllister 2360–2369
- Targeted Activation of Conventional and Novel Protein Kinases C through Differential Translocation Patterns** Xin Hui, Gregor Reither, Lars Kaestner, Peter Lipp 2370–2381
- Mechanism of Action of Phenethylisothiocyanate and Other Reactive Oxygen Species-Inducing Anticancer Agents** Indira Jutooru, Aaron S. Guthrie, Gayathri Chadalapaka, Satya Pathi, KyoungHyun Kim, Robert Burghardt, Un-Ho Jin, Stephen Safe 2382–2395
- Thioesterase Superfamily Member 2 (Them2) and Phosphatidylcholine Transfer Protein (PC-TP) Interact To Promote Fatty Acid Oxidation and Control Glucose Utilization** Yuki Kawano, Baran A. Ersoy, Yingxia Li, Shin Nishiumi, Masaru Yoshida, David E. Cohen 2396–2408
- The Canonical Wnt Signal Restricts the Glycogen Synthase Kinase 3/Fbw7-Dependent Ubiquitination and Degradation of Eya1 Phosphatase** Ye Sun, Xue Li 2409–2417
- Dynamic Estrogen Receptor Interactomes Control Estrogen-Responsive Trefoil Factor (TFF) Locus Cell-Specific Activities** Justine Quintin, Christine Le Péron, Gaëlle Palierne, Maud Bizot, Stéphanie Cunha, Aurélien A. Sérandour, Stéphane Avner, Catherine Henry, Frédéric Percevault, Marc-Antoine Belaud-Rotureau, Sébastien Huet, Erwan Watrin, Jérôme Eeckhoutte, Vincent Legagneux, Gilles Salbert, Raphaël Métivier 2418–2436
- The Histone Variant MacroH2A1 Regulates Target Gene Expression in Part by Recruiting the Transcriptional Coregulator PELP1** Kristine M. Hussey, Hongshan Chen, Christine Yang, Eugene Park, Nasun Hah, Hediye Erdjument-Bromage, Paul Tempst, Matthew J. Gamble, W. Lee Kraus 2437–2449
- Angiogenin-Cleaved tRNA Halves Interact with Cytochrome c, Protecting Cells from Apoptosis during Osmotic Stress** Mridusmita Saikia, Raul Jobava, Marc Parisien, Andrea Putnam, Dawid Krokowski, Xing-Huang Gao, Bo-Jih Guan, Yiyuan Yuan, Eckhard Jankowsky, Zhaoyang Feng, Guo-fu Hu, Marianne Pusztai-Carey, Madhavi Gorla, Naresh Babu V. Sepuri, Tao Pan, Maria Hatzoglou 2450–2463
- TRF1 Ensures the Centromeric Function of Aurora-B and Proper Chromosome Segregation** Tomokazu Ohishi, Yukiko Muramatsu, Haruka Yoshida, Hiroyuki Seimiya 2464–2478

<b>The Leukocyte Activation Receptor CD69 Controls T Cell Differentiation through Its Interaction with Galectin-1</b>	Hortensia de la Fuente, Aranzazu Cruz-Adalia, Gloria Martínez del Hoyo, Danay Cibrián-Vera, Pedro Bonay, Daniel Pérez-Hernández, Jesús Vázquez, Pilar Navarro, Ricardo Gutierrez-Gallego, Marta Ramirez-Huesca, Pilar Martín, Francisco Sánchez-Madrid	2479–2487
<b>Function and Control of RNA Polymerase II C-Terminal Domain Phosphorylation in Vertebrate Transcription and RNA Processing</b>	Jing-Ping Hsin, Kehui Xiang, James L. Manley	2488–2498
<b>LIN-35/Rb Causes Starvation-Induced Germ Cell Apoptosis via CED-9/Bcl2 Downregulation in <i>Caenorhabditis elegans</i></b>	L. I. Láscares-Lagunas, C. G. Silva-García, T. D. Dinkova, R. E. Navarro	2499–2516
<b>The Pim-1 Protein Kinase Is an Important Regulator of MET Receptor Tyrosine Kinase Levels and Signaling</b>	Bo Cen, Ying Xiong, Jin H. Song, Sandeep Mahajan, Rachel DuPont, Kristen McEachern, Daniel J. DeAngelo, Jorge E. Cortes, Mark D. Minden, Allen Ebens, Alice Mims, Amanda C. LaRue, Andrew S. Kraft	2517–2532
<b>Endogenous Siderophore 2,5-Dihydroxybenzoic Acid Deficiency Promotes Anemia and Splenic Iron Overload in Mice</b>	Zhuoming Liu, Alieta Ciocea, L. Devireddy	2533–2546
<b>AUTHOR CORRECTIONS</b>		
<b>Fat Body <i>dSir2</i> Regulates Muscle Mitochondrial Physiology and Energy Homeostasis Nonautonomously and Mimics the Autonomous Functions of <i>dSir2</i> in Muscles</b>	Kushal K. Banerjee, Champakali Ayyub, Samudra Sengupta, Ullas Kolthur-Seetharam	2547
<b>Fission Yeast RecQ Helicase Rqh1 Is Required for the Maintenance of Circular Chromosomes</b>	Tomoko Nanbu, Katsunori Takahashi, Johanne M. Murray, Naoya Hirata, Shinobu Ukimori, Mai Kanke, Hisao Masukata, Masashi Yukawa, Eiko Tsuchiya, Masaru Ueno	2548–2550
<b>Fission Yeast Pot1 and RecQ Helicase Are Required for Efficient Chromosome Segregation</b>	Katsunori Takahashi, Ryota Imano, Tatsuya Kibe, Hiroyuki Seimiya, Yukiko Muramatsu, Naoki Kawabata, Genki Tanaka, Yoshitake Matsumoto, Taisuke Hiromoto, Yuka Koizumi, Norihiko Nakazawa, Mitsuhiro Yanagida, Masashi Yukawa, Eiko Tsuchiya, Masaru Ueno	2551–2552