

Highlights of This Issue 1

REVIEWS

- 3 Smoking, p53 Mutation, and Lung Cancer**
Don L. Gibbons, Lauren A. Byers, and Jonathan M. Kurie
- 14 Nicotine-Mediated Cell Proliferation and Tumor Progression in Smoking-Related Cancers**
Courtney Schaal and Srikumar P. Chellappan
- 24 Smoking Out Reproductive Hormone Actions in Lung Cancer**
Jill M. Siegfried

MCR RapidIMPACT

- 32 FBXW7 Mediates Chemotherapeutic Sensitivity and Prognosis in NSCLCs**
Takehiko Yokobori, Yozo Yokoyama, Akira Mogi, Hideki Endoh, Bolag Altan, Takayuki Kosaka, Ei Yamaki, Toshiki Yajima, Kenji Tomizawa, Yoko Azuma, Ryoichi Onozato, Tatsuya Miyazaki, Shigebumi Tanaka, and Hiroyuki Kuwano

CELL CYCLE AND SENESCENCE

- 38 CXCR4, but not CXCR7, Discriminates Metastatic Behavior in Non-Small Cell Lung Cancer Cells**
Young H. Choi, Marie D. Burdick, Brett A. Strieter, Borna Mehrad, and Robert M. Strieter
- 48 Autophagy-Dependent Metabolic Reprogramming Sensitizes TSC2-Deficient Cells to the Antimetabolite 6-Aminonicotinamide**
Andrey A. Parkhitko, Carmen Priolo, Jonathan L. Coloff, Jihye Yun, Julia J. Wu, Kenji Mizumura, Wenping Xu, Izabela A. Malinowska, Jane Yu, David J. Kwiatkowski, Jason W. Locasale, John M. Asara, Augustine M.K. Choi, Toren Finkel, and Elizabeth P. Henske

CELL DEATH AND SURVIVAL

- 58 The Impact of miRNA-Based Molecular Diagnostics and Treatment of NRF2-Stabilized Tumors**
Shinsuke Yamamoto, Jun Inoue, Tatsuyuki Kawano, Ken-ichi Kozaki, Ken Omura, and Johji Inazawa

- 69 NEDD9 Depletion Leads to MMP14 Inactivation by TIMP2 and Prevents Invasion and Metastasis**
Sarah L. McLaughlin, Ryan J. Ice, Anuradha Rajulapati, Polina Y. Kozyulina, Ryan H. Livengood, Varvara K. Kozyreva, Yuriy V. Loskutov, Mark V. Culp, Scott A. Weed, Alexey V. Ivanov, and Elena N. Pugacheva

CHROMATIN, GENE, AND RNA REGULATION

- 82 Loss of the Nucleosome-Binding Protein HMGN1 Affects the Rate of N-Nitrosodiethylamine-Induced Hepatocarcinogenesis in Mice**
Yuri V. Postnikov, Takashi Furusawa, Diana C. Haines, Valentina M. Factor, and Michael Bustin

DNA DAMAGE AND REPAIR

- 91 Cocarcinogenic Effects of Intrahepatic Bile Acid Accumulation in Cholangiocarcinoma Development**
Elisa Lozano, Laura Sanchez-Vicente, Maria J. Monte, Elisa Herraes, Oscar Briz, Jesus M. Banales, Jose J.G. Marin, and Rocio I.R. Macias

GENOMICS

- 101 MiR-335 Inhibits Small Cell Lung Cancer Bone Metastases via IGF-IR and RANKL Pathways**
Meng Gong, Junrong Ma, Ryan Guillemette, Mingliang Zhou, Yan Yang, Yujing Yang, Janet M. Hock, and Xijie Yu
- 111 ROS1 and ALK Fusions in Colorectal Cancer, with Evidence of Intratumoral Heterogeneity for Molecular Drivers**
Dara L. Aisner, Teresa T. Nguyen, Diego D. Paskulin, Anh T. Le, Jerry Haney, Nathan Schulte, Fiona Chionh, Jenny Hardingham, John Mariadason, Niall Tebbutt, Robert C. Doebele, Andrew J. Weickhardt, and Marileila Varela-Garcia

ONCOGENES AND TUMOR SUPPRESSORS

- 119 Mitotic Arrest by Tumor Suppressor RASSF1A Is Regulated via CHK1 Phosphorylation**
Lingyan Jiang, Rong Rong, M. Saeed Sheikh, and Ying Huang

Table of Contents

130 The SmgGDS Splice Variant SmgGDS-558 Is a Key Promoter of Tumor Growth and RhoA Signaling in Breast Cancer

Andrew D. Hauser, Carmen Bergom, Nathan J. Schuld, Xiuxu Chen, Ellen L. Lorimer, Jian Huang, Alexander C. Mackinnon, and Carol L. Williams

155 Interaction of Delta-like 1 Homolog (*Drosophila*) with Prohibitins and Its Impact on Tumor Cell Clonogenicity

Asma Begum, Qun Lin, Chenye Yu, Yuri Kim, and Zhong Yun

SIGNAL TRANSDUCTION

143 Integrin $\alpha\beta 1$ Can Function to Promote Spontaneous Metastasis and Lung Colonization of Invasive Breast Carcinoma

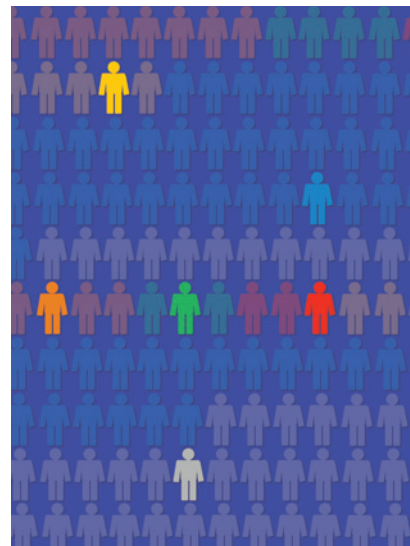
Bo Zhou, Katherine N. Gibson-Corley, Mary E. Herndon, Yihan Sun, Elisabeth Gustafson-Wagner, Melissa Teoh-Fitzgerald, Frederick E. Domann, Michael D. Henry, and Christopher S. Stipp

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ABOUT THE COVER

With regard to incidence and mortality, lung cancer is one of the most common and deadliest cancers worldwide. Interestingly, early epidemiologic and clinical studies suggested an association between tobacco and lung cancer. By the 1950s and 1960s, it was evident that smoking, primarily from cigarettes, is a major contributor to lung cancer, thus prompting the first report of the Surgeon General's Advisory Committee on Smoking and Health on January 11, 1964. Since that time, a multitude of studies have demonstrated that cigarettes produce more than 60 compounds that have carcinogenic potential. To combat these and other environmental carcinogens, normal cells employ the p53 tumor suppressor, which regulates cell growth and death to prevent cancer. Because p53 is considered a guardian against genomic insult, it is not surprising that it is one of the most frequently mutated genes in many cancers and lung cancer is no exception. In this issue, Gibbons and colleagues mark the 50th anniversary of the Surgeon General's Report on Smoking and Health by reviewing the evidence of smoking, p53 mutations, and lung cancer. The cover shows an artistic representation of the percentage of hotspot p53 mutations in a human population of lung squamous cell carcinoma and adenocarcinoma. For additional insight and details, please see the article by Gibbons and colleagues on page 3.



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