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3. **Smoking, p53 Mutation, and Lung Cancer**  
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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

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

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32. **CXCR4, but not CXCR7, Discriminates Metastatic Behavior in Non–Small Cell Lung Cancer Cells**  
   Young H. Choi, Marie D. Burdick, Brett A. Strieter, Borna Mehrafzad, and Robert M. Strieter

48. **Autophagy-Dependent Metabolic Reprogramming Sensitizes TSC2-Deficient Cells to the Antimetabolite 6-Aminonicotinamide**  

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82. **CXCR4, but not CXCR7, Discriminates Metastatic Behavior in Non–Small Cell Lung Cancer Cells**  
   Young H. Choi, Marie D. Burdick, Brett A. Strieter, Borna Mehrafzad, and Robert M. Strieter

#### CHROMATIN, GENE, AND RNA REGULATION

82. **Loss of the Nucleosome-Binding Protein HMGN1 Affects the Rate of N-Nitrosodiethylamine-Induced Hepatocarcinogenesis in Mice**  
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91. **Cocarcinogenic Effects of Intrahepatic Bile Acid Accumulation in Cholangiocarcinoma Development**  
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101. **MiR-335 Inhibits Small Cell Lung Cancer Bone Metastases via IGF-IR and RANKL Pathways**  
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111. **ROS1 and ALK Fusions in Colorectal Cancer, with Evidence of Intratumoral Heterogeneity for Molecular Drivers**  
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69. **NEDD9 Depletion Leads to MMP14 Inactivation by TIMP2 and Prevents Invasion and Metastasis**  
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The SmgGDS Splice Variant SmgGDS-558 Is a Key Promoter of Tumor Growth and RhoA Signaling in Breast Cancer
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Interaction of Delta-like 1 Homolog (Drosophila) with Prohibitins and Its Impact on Tumor Cell Clonogenicity
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Integrin α3β1 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

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.