## HIGHLIGHTS

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## MOLECULAR CANCER RESEARCH GENRES AND NETWORKS

### Cancer Genes and Networks

- **Merkel Cell Polyomavirus Small T Antigen Activates Noncanonical NF-κB Signaling to Promote Tumorigenesis**
  - Authors: Jiawei Zhao, Yuemeng Jia, Shunli Shen, Jiwoong Kim, Xin Wang, Eunice Lee, Isaac Brownell, Jeong Hee Cho-Vega, Cheryl Lewis, Jade Homsi, Rohit R. Sharma, and Richard C. Wang
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- **RNF8 Promotes Epithelial–Mesenchymal Transition in Lung Cancer Cells via Stabilization of Slug**
  - Authors: Jingyu Kuang, Lu Min, Chuanyang Liu, Si Chen, Changleong Gao, Jiaxin Ma, Xiaomin Wu, Wenying Li, Lei Wu, and Lingyun Zhu
  - Page: 1638

- **Wnt/β-Catenin Signaling Axis Is Required for TFEB-Mediated Gastric Cancer Metastasis and Epithelial–Mesenchymal Transition**
  - Authors: Shuxuan Li, Fenglin Liu, Ling Xu, Can Li, Xu Yang, Bao Guo, Jianxin Gu, and Lan Wang
  - Page: 1650

- **RCC2 Promotes Esophageal Cancer Growth by Regulating Activity and Expression of the Sox2 Transcription Factor**
  - Authors: Ali Calderon-Aparicio, Hiroyuki Yamamoto, Humberto De Vitto, Tianshun Zhang, Qiushi Wang, Ann M. Bode, and Zighang Dong
  - Page: 1660

### Rapid IMPACT

- **Tumor-Resident Stromal Cells Promote Breast Cancer Invasion through Regulation of the Basal Phenotype**
  - Authors: Christopher J. Hanley, Elodie Henriet, Orit Katarina Sirka, Gareth J. Thomas, and Andrew J. Ewald
  - Page: 1615

### Genome Maintenance

- **Platinum-Induced Ubiquitination of Phosphorylated H2AX by RING1A Is Mediated by Replication Protein A in Ovarian Cancer**
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- **Diffuse Intrinsic Pontine Glioma Cells Are Vulnerable to Mitotic Abnormalities Associated with BMI-1 Modulation**
  - Authors: Shiva Senthil Kumar, Satarupa Sengupta, Xiaoting Zhu, Deepak Kumar Mishra, Timothy Phoenix, Lisa Dyer, Christine Fuller, Charles B. Stevenson, Mariko DeWire, Maryam Fouladi, and Rachid Drissi
  - Page: 1711

### RNA Biology

- **A LHFPL3-AS1/miR-580-3p/STAT3 Feedback Loop Promotes the Malignancy in Melanoma via Activation of JAK2/STAT3 Signaling**
  - Authors: Qian Peng, Linbo Liu, Hui Pei, Jianwen Zhang, Minjing Chen, and Xiaomei Zhai
  - Page: 1724

### Signal Transduction and Functional Imaging

- **Discrete Adaptive Responses to MEK Inhibitor in Subpopulations of Triple-Negative Breast Cancer**
  - Authors: Daniel R. Goulet, Joseph P. Foster II, Jon S. Zawistowski, Samantha M. Bever, Mélodie P. Noël, José F. Olivares-Quintero, Noah Scaky, Darshan Singh, Charlene Santos, Samantha G. Pattenden, Ian J. Davis, and Gary L. Johnson
  - Page: 1685

- **Phosphorylation of PLCγ1 by EphA2 Receptor Tyrosine Kinase Promotes Tumor Growth in Lung Cancer**
  - Authors: Wenqiang Song, Laura C. Kim, Wei Han, Yuan Hou, Deanna N. Edwards, Shan Wang, Timothy S. Blackwell, Feixiong Cheng, Dana M. Brantly-Sieders, and Jin Chen
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1744 Interplay Between V-ATPase G1 and Small EV-miRNAs Modulates ERK1/2 Activation in GBM Stem Cells and Nonneoplastic Milieu
Irene Bertolini, Alessandra Maria Storaci, Andrea Terrasi, Andrea Di Cristofori, Marco Locatelli, Manuela Caroli, Stefano Ferrero, Dario C. Altieri, and Valentina Vaira

LETTERS TO THE EDITOR

1755 “Serine and One-Carbon Metabolism in Breast Cancer Metastasis”—Letter
Connor J. Kinslow, Ramon C. Sun, Kunal R. Chaudhary, and Simon K. Cheng

ABOUT THE COVER

Tumor development and progression hinge upon ongoing co-evolution and crosstalk with the tumor microenvironment. In particular, fibroblasts in the stromal compartment are co-opted to support tumor growth and survival through heterotypic interactions with tumor cells. The cover depicts a novel co-culture method in which breast cancer organoids (white) are seeded alongside autologous cancer-associated fibroblasts (red). Using this new model, the authors demonstrate persistent tumor—stroma interactions that regulate the molecular phenotype and aggressiveness of cancer cells. For more information, see the Highlight on page 1613 and the article on page 1615.