


Highlights of This Issue 1817

REVIEW

- 1819** SWI/SNF Complexes in Ovarian Cancer: Mechanistic Insights and Therapeutic Implications
Takeshi Fukumoto, Elizabeth Magno, and Rugang Zhang

MCR *RapidIMPACT*

- 1826** "Z4" Complex Member Fusions in NUT Carcinoma: Implications for a Novel Oncogenic Mechanism
Hitoshi Shiota, Janine E. Elya, Artyom A. Alekseyenko, Pauline M. Chou, Shelby A. Gorman, Olena Barbash, Kelly Becht, Kristina Danga, Mitzi I. Kuroda, Valentina Nardi, and Christopher A. French
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CELL DEATH AND SURVIVAL

- 1834** USP6 Confers Sensitivity to IFN-Mediated Apoptosis through Modulation of TRAIL Signaling in Ewing Sarcoma
Ian C. Henrich, Robert Young, Laura Quick, Andre M. Oliveira, and Margaret M. Chou
- 1844** Impeding Circulating Tumor Cell Reseeding Decelerates Metastatic Progression and Potentiates Chemotherapy
Chen Qian, Asurayya Worrede-Mahdi, Fei Shen, Anthony DiNatale, Ramanpreet Kaur, Qiang Zhang, Massimo Cristofanilli, Olimpia Meucci, and Alessandro Fatatis
- 1855** Long-term Tumor Adaptation after Radiotherapy: Therapeutic Implications for Targeting Integrins in Prostate Cancer
Iris Eke, Adeola Y. Makinde, Molykutty J. Aryankalayil, Jessica L. Reedy, Deborah E. Citrin, Sunita Chopra, Mansoor M. Ahmed, and C. Norman Coleman

CHROMATIN, EPIGENETICS AND RNA REGULATION

- 1865** Novel lncRNA *LINC00844* Regulates Prostate Cancer Cell Migration and Invasion through AR Signaling
Shreyas Lingadahalli, Sudhir Jadhao, Ying Ying Sung, Mi Chen, Lingling Hu, Xin Chen, and Edwin Cheung
- 1879** Dissecting lncRNA Roles in Renal Cell Carcinoma Metastasis and Characterizing Genomic Heterogeneity by Single-Cell RNA-seq
Xue Li, Xianwen Meng, Cong Wei, Yincong Zhou, Hongjun Chen, He Huang, and Ming Chen

GENOMICS

- 1889** Molecular Portrait of Hypoxia in Breast Cancer: A Prognostic Signature and Novel HIF-Regulated Genes
I. Chae Ye, Elana J. Fertig, Josh W. DiGiacomo, Michael Considine, Inês Godet, and Daniele M. Gilkes
- 1902** Digital PCR-Based T-cell Quantification-Assisted Deconvolution of the Microenvironment Reveals that Activated Macrophages Drive Tumor Inflammation in Uveal Melanoma
Mark J. de Lange, Rogier J. Nell, Rajshri N. Lalai, Mieke Versluis, Ekaterina S. Jordanova, Gre P.M. Luyten, Martine J. Jager, Sjoerd H. van der Burg, Willem H. Zoutman, Thorbald van Hall, and Pieter A. van der Velden
- 1912** Comprehensive Genomic Profiling of Patient-matched Head and Neck Cancer Cells: A Preclinical Pipeline for Metastatic and Recurrent Disease
Lluís Nisa, David Barras, Michaela Medová, Daniel M. Aebersold, Matúš Medo, Michaela Poliaková, Jonas Koch, Beat Bojaxhiu, Olgun Eliçin, Matthias S. Dettmer, Paolo Angelino, Roland Giger, Urs Borner, Marco D. Caversaccio, Thomas E. Carey, Liza Ho, Thomas A. McKee, Mauro Delorenzi, and Yitzhak Zimmer


Table of Contents

ONCOGENES AND TUMOR SUPPRESSORS

- 1927** miR-652 Promotes Tumor Proliferation and Metastasis by Targeting *RORA* in Endometrial Cancer
Xiaomei Sun, Samina Dongol, Chunping Qiu, Ying Xu, Chenggong Sun, Zhiwei Zhang, Xingsheng Yang, Qing Zhang, and Beihua Kong
- 1940** R1 Regulates Prostate Tumor Growth and Progression By Transcriptional Suppression of the E3 Ligase *HUWE1* to Stabilize c-Myc
Tzu-Ping Lin, Jingjing Li, Qinlong Li, Xiangyan Li, Chunyan Liu, Ni Zeng, Jen-Ming Huang, Gina Chia-Yi Chu, Chi-Hung Lin, Haiyen E. Zhau, Leland W.K. Chung, Boyang Jason Wu, and Jean C. Shih
- 1952** Suppression of Breast Cancer Stem Cells and Tumor Growth by the *RUNX1* Transcription Factor
Deli Hong, Andrew J. Fritz, Kristiaan H. Finstad, Mark P. Fitzgerald, Adam Weinheimer, Adam L. Viens, Jon Ramsey, Janet L. Stein, Jane B. Lian, and Gary S. Stein

- 1965** miR-155 Is Downregulated in Familial Adenomatous Polyposis and Modulates WNT Signaling by Targeting *AXIN1* and *TCF4*
Anna Prossomariti, Giulia Piazzini, Leonarda D'Angelo, Sara Miccoli, Daniela Turchetti, Chiara Alquati, Claudio Montagna, Franco Bazzoli, and Luigi Ricciardiello

SIGNAL TRANSDUCTION

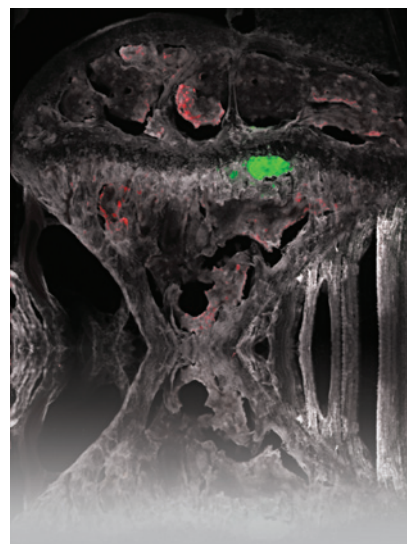
- 1977**  *FLYWCH1*, a Novel Suppressor of Nuclear β -Catenin, Regulates Migration and Morphology in Colorectal Cancer
Belal A. Muhammad, Sheema Almozyan, Roya Babaei-Jadidi, Emenike K. Onyido, Anas Saadeddin, Seyed Hossein Kashfi, Bradley Spencer-Dene, Mohammad Ilyas, Anbarasu Lourdusamy, Axel Behrens, and Abdolrahman S. Nateri
- 1991** $TGF\beta$ -Induced Lung Cancer Cell Migration Is *NR4A1*-Dependent
Erik Hedrick, Kumaravel Mohankumar, and Stephen Safe

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ABOUT THE COVER

This study, by Qian and colleagues (beginning on page 1844), defines the role of the chemokine receptor *CX3CR1* in the reseeding of breast Circulating Tumor Cells (CTCs). Their work describes how a novel antagonist of this receptor reduces both numerical and dimensional expansion of existing disseminated tumors in an animal model of metastatic disease. In particular, the authors effectively discriminate between dormant and reseeded tumor cells using CM-Dil, a red fluorescent dye that is retained during proliferative quiescence but is progressively diluted in highly proliferating cells, as shown by this skeletal tumor generated by cancer cells expressing green fluorescent protein but lacking red fluorescence.



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