# HIGHLIGHTS

165  Selected Articles from This Issue

# REVIEWS

167  Cellular Functions of HPV16 E5 Oncoprotein during Oncogenic Transformation  
Lourdes Gutierrez-Xicotencatl,  
Adolfo Pedroza-Saavedra,  
Lilia Chiuhu-Ampanar,  
Azucena Salazar-Piña,  
Minerva Maldonado-Gama, and  
Fernando Esquivel-Guadarrama

180  The Paradoxical Roles of Orphan Nuclear Receptor 4A (NR4A) in Cancer  
Stephen Safe and Keshav Karki

192  Exploiting Replication Stress as a Novel Therapeutic Intervention  
Jeffrey C. Martin, Tamara J. Hoegel, Miranda L. Lynch,  
Anna Woloszynska, Thomas Melendy, and  
Joyce E. Ohm

# CANCER GENES AND NETWORKS

215  Dual Screen for Efficacy and Toxicity Identifies HDAC Inhibitor with Distinctive Activity Spectrum for BAP1-Mutant Uveal Melanoma  
Jeffim N. Kuznetsoff, Dawn A. Owens, Andy Lopez,  
Daniel A. Rodriguez, Nancy T. Chee,  
Stefan Kurtenbach, Daniel Bilbao, Evan R. Roberts,  
Claude-Henry Volmar, Claes Walezlstedt,  
Shaun P. Brothers, and J. William Harbour

223  Transcriptomic Analysis of Diffuse Intrinsic Pontine Glioma (DIPG) Identifies a Targetable ALDH-Positive Subset of Highly Tumorigenic Cancer Stem-like Cells  
Rachel K. Surowiec, Sarah F. Ferris, April Apfelbaum,  
Carlos Espinoza, Ranjit K. Mehta,  
Karamoja Monchamp, Veerin R. Sirihorachai,  
Karan Bedi, Mats Ljungman, and Stefanie Galban

240  Palmitate-Induced IRE1-XBP1-ZEB Signaling Represses Desmoplakin Expression and Promotes Cancer Cell Migration  
Arirto Nath, Amrita Oak, Kevin Y. Chen, Irene Li,  
R. Chauncey Splichal, Jason Portis, Sean Foster,  
S. Patrick Walton, and Christina Chan

249  Aggressive B-cell Lymphoma with MYC/TP53 Dual Alterations Displays Distinct Clinicopathobiological Features and Response to Novel Targeted Agents  
Manman Deng, Zijun Y. Xu-Monette, Lan V. Pham,  
Xudong Wang, Alexandar Tzankov, Xiaosheng Fang,  
Feng Zhu, Carlo Visco, Govind Bhagat, Karen Dybkkaer,  
April Chiu, Wayne Tam, Youli Zu, Eric D. Hsi,  
Hua You, Yooyung Huh, Maurilio Ponzoni,  
Andrés J.M. Ferreri, Michael B. Molier,  
Benjamin M. Parsons, Fredrick Hagemeister,  
J. Han van Krieken, Miguel A. Piras, Jane N. Winter,  
Yong Li, Bing Xu, Phillip Liu, and Ken H. Young

# CELL FATE DECISIONS

274  A Role for the Autophagic Receptor, SQSTM1/p62, in Trafficking NF-κB/RelA to Nucleolar Aggresomes  
Ian T. Lobb, Pierre Morin, Kirsty Martin,  
Hazel C. Thoms, Jimi C. Wills, Xhordi Lleshii,  
Karl C.F. Olsen, Rory R. Duncan, and Lesley A. Stark
Intraperitoneal Oil Application Causes Local Inflammation with Depletion of Resident Peritoneal Macrophages
Elisenda Alsina-Sanchis, Ronja Mülfarth, Iris Moll, Carolin Mogler, Juan Rodrigaze-Vita, and Andreas Fischer

SLX4IP Promotes Telomere Maintenance in Androgen Receptor–Independent Castration-Resistant Prostate Cancer through ALT-like Telomeric PML Localization
Tawna L. Mangosh, Wisam N. Awadallah, Magdalena M. Grabowska, and Derek J. Taylor

SHOC2 Is a Critical Modulator of Sensitivity to EGFR-TKIs in Non-Small Cell Lung Cancer Cells
Hideki Terai, Junko Hamamoto, Katsura Emoto, Takeshi Masuda, Tadashi Manabe, Satoshi Kuronuma, Keigo Kobayashi, Keita Masuzawa, Shinnosuke Ikemura, Sohei Nakayama, Ichiro Kawada, Yusuke Suzuki, Osamu Takeuchi, Yukio Suzuki, Sumio Ohtsuki, Hiroyuki Yasuda, Kenzo Soejima, and Koichi Fukunaga

About the Cover
The use of oils as a carrier for lipophilic drugs during intraperitoneal injection is a common practice in biomedical research, but their differential effects on the microenvironment of the injection site has not been studied. The cover depicts macrophages incubated with vegetal oil, which induces cell death by either apoptosis or pyroptosis depending on the oil used (blue, live cells; green, apoptotic cells; red, necrotic cells). The authors conclude that careful selection of carrier oils based on experimental context is critical to the proper interpretation of data derived from intraperitoneal injection models. For more information, see the Highlight on page 165 and the article on page 288.