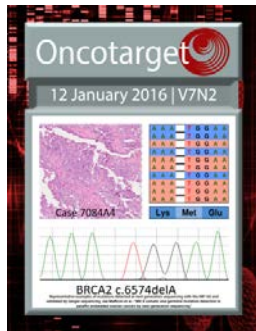


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BRCA somatic and germline mutation detection in paraffin embedded ovarian cancers by next-generation sequencing

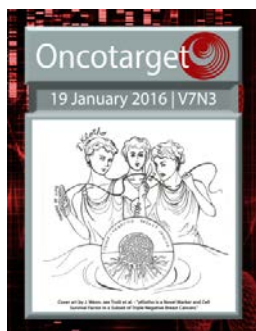
DOI: [10.18632/oncotarget.6834](https://doi.org/10.18632/oncotarget.6834)

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Oncogenic KRAS activates an embryonic stem cell-like program in human colon cancer initiation

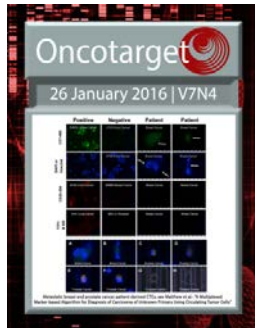
DOI: [10.18632/oncotarget.6818](https://doi.org/10.18632/oncotarget.6818)

Anne-France Le Rolle, Thang K. Chiu, Zhaoshi Zeng, Jinru Shia, Martin R. Weiser, Philip B. Paty, and Vi K. Chiu

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DOI: [10.18632/oncotarget.6657](https://doi.org/10.18632/oncotarget.6657)

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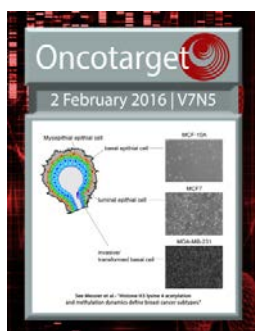
SHIP represses lung inflammation and inhibits mammary tumor metastasis in BALB/c mice

DOI: [10.18632/oncotarget.6611](https://doi.org/10.18632/oncotarget.6611)

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Juliet D. French, Sharon E. Johnatty, Yi Lu, Jonathan Beesley, Bo Gao, Murugan Kalimutho, Michelle J. Henderson, Amanda J. Russell, Siddhartha Kar, Xiaoqing Chen, Kristine M. Hillman, Susanne Kaufmann, Haran Sivakumaran, Martin O'Reilly, Chen Wang, Darren J. Korbie, Australian Ovarian Cancer Study Group, Australian Cancer Study, Diether Lambrechts, Evelyn Despierre, Els Van Nieuwenhuysen, Sandrina Lambrechts, Ignace Vergote, Beth Karlan, Jenny Lester, Sandra Orsulic, Christine Walsh, Peter A. Fasching, Matthias W. Beckmann, Arif B. Ekici, Alexander Hein, Keitaro Matsuo, Satoyo Hosono, Jacobus Pisterer, Peter Hillemanns, Toru Nakanishi, Yasushi Yatabe, Marc T. Goodman, Galina Lurie, Rayna K. Matsuno, Pamela J. Thompson, Tanja Pejovic, Yukie Bean, Florian Heitz, Philipp Harter, Andreas du Bois, Ira Schwaab, Estrid Hogdall, Susanne K. Kjaer, Allan Jensen, Claus Hogdall, Lene Lundvall, Svend Aage Engelholm, Bob Brown, James M. Flanagan, Michelle D. Metcalf, Nadeem Siddiqui, Thomas Sellers, Brooke Fridley, Julie Cunningham, Joellen M. Schildkraut, Ed Iversen, Rachel Palmieri Weber, Donal Brennan, Andrew Berchuck, Paul Pharoah, Paul Harnett, Murray D. Norris, Michelle Haber, Ellen L. Goode, Jason S. Lee, Kum Kum Khanna, Kerstin B. Meyer, Georgia Chenevix-Trench, Anna deFazio, Stacey L. Edwards, Stuart MacGregor, and on behalf of the Ovarian Cancer Association Consortium

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PRDX2 and PRDX4 are negative regulators of hypoxia-inducible factors under conditions of prolonged hypoxia

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Antimetabolite TTL-315 selectively kills glucose-deprived cancer cells and enhances responses to cytotoxic chemotherapy in preclinical models of cancer

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A targeted genetic association study of epithelial ovarian cancer susceptibility

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Inhibitors of histone deacetylase 1 reverse the immune evasion phenotype to enhance T-cell mediated lysis of prostate and breast carcinoma cells

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Spatially- and temporally-controlled postnatal p53 knockdown cooperates with embryonic Schwann cell precursor *Nf1* gene loss to promote malignant peripheral nerve sheath tumor formation

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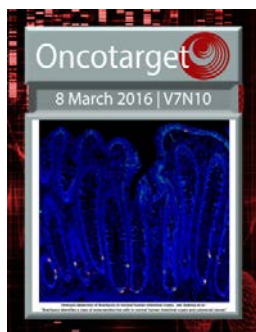
Systematic drug perturbations on cancer cells reveal diverse exit paths from proliferative state

DOI: [10.18632/oncotarget.7294](#)

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A synthetic-lethality RNAi screen reveals an ERK-mTOR co-targeting pro-apoptotic switch in *PIK3CA*⁺ oral cancers

DOI: [10.18632/oncotarget.7372](#)

Kosuke Yamaguchi, Ramiro Iglesias-Bartolomé, Zhiyong Wang, Juan Luis Callejas-Valera, Panomwat Amornphimoltham, Alfredo A. Molinolo, Ezra E. Cohen, Joseph A. Califano, Scott M. Lippman, Ji Luo, and J. Silvio Gutkind
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Aryl hydrocarbon receptor nuclear translocator (ARNT) isoforms control lymphoid cancer cell proliferation through differentially regulating tumor suppressor p53 activity

DOI: 10.18632/oncotarget.7539

Kacie A. Gardella, Israel Muro, Gloria Fang, Krishnakali Sarkar, Omayra Mendez, and Casey W. Wright
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MicroRNA dysregulation and esophageal cancer development depend on the extent of zinc dietary deficiency

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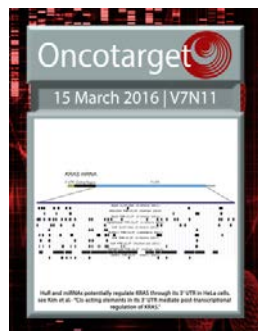
MPL W515L expression induces TGF β secretion and leads to an increase in chemokinesis *via* phosphorylation of THOC5

DOI: 10.18632/oncotarget.7639

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p73 promotes glioblastoma cell invasion by directly activating POSTN (periostin) expression

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Beneficial bacteria inhibit cachexia

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Cancer therapeutic approach based on conformational stabilization of mutant p53 protein by small peptides

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Loss of p53-mediated cell-cycle arrest, senescence and apoptosis promotes genomic instability and premature aging

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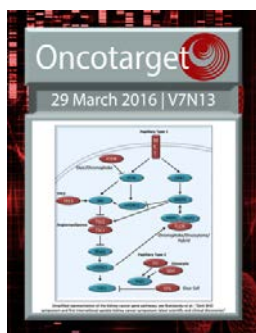
Camptothecin targets WRN protein: mechanism and relevance in clinical breast cancer

DOI: [10.18632/oncotarget.7906](https://doi.org/10.18632/oncotarget.7906)

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Divergent branches of mitochondrial signaling regulate specific genes and the viability of specialized cell types of differentiated yeast colonies

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Serum HER2 levels are increased in cats with mammary carcinomas and predict tissue HER2 status

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Human platelets repurposed as vehicles for *in vivo* imaging of myeloma xenotransplants

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Na⁺/H⁺ exchanger NHE1 regulation modulates metastatic potential and epithelial-mesenchymal transition of triple-negative breast cancer cells

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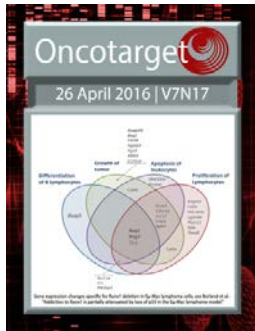
A monoclonal antibody against the Wnt signaling inhibitor dickkopf-1 inhibits osteosarcoma metastasis in a preclinical model

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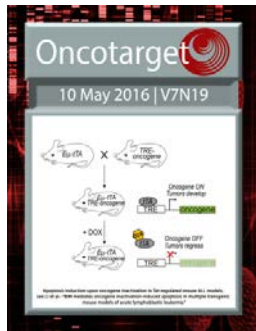
Differential localization of glioblastoma subtype: implications on glioblastoma pathogenesis

DOI: [10.18632/oncotarget.8551](https://doi.org/10.18632/oncotarget.8551)

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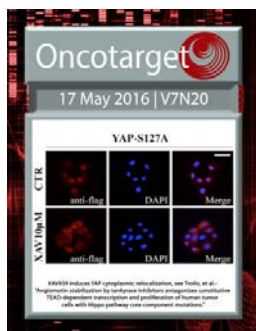
BIM mediates oncogene inactivation-induced apoptosis in multiple transgenic mouse models of acute lymphoblastic leukemia

DOI: [10.18632/oncotarget.8731](https://doi.org/10.18632/oncotarget.8731)

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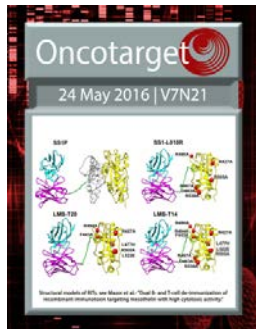
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Angiotensin stabilization by tankyrase inhibitors antagonizes constitutive TEAD-dependent transcription and proliferation of human tumor cells with Hippo pathway core component mutations

DOI: [10.18632/oncotarget.9117](https://doi.org/10.18632/oncotarget.9117)

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Metabolic pathways regulated by TAp73 in response to oxidative stress

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Collecting duct carcinoma of the kidney is associated with *CDKN2A* deletion and *SLC* family gene up-regulation

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Dual B- and T-cell de-immunization of recombinant immunotoxin targeting mesothelin with high cytotoxic activity

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A Fhit-mimetic peptide suppresses annexin A4-mediated chemoresistance to paclitaxel in lung cancer cells

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Inhibitors of Rho kinase (ROCK) signaling revert the malignant phenotype of breast cancer cells in 3D context

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Cooperation of Nutlin-3a and a Wip1 inhibitor to induce p53 activity

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Telomerase inhibitor imetelstat has preclinical activity across the spectrum of non-small cell lung cancer oncogenotypes in a telomere length dependent manner

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CXCL16 regulates cisplatin-induced acute kidney injury

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microRNA-7-5p inhibits melanoma cell proliferation and metastasis by suppressing RelA/NF- κ B

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The impact of the *MYB-NFIB* fusion proto-oncogene *in vivo*

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Enhanced killing of chordoma cells by antibody-dependent cell-mediated cytotoxicity employing the novel anti-PD-L1 antibody avelumab

DOI: [10.18632/oncotarget.9256](https://doi.org/10.18632/oncotarget.9256)

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Dual inhibition of protein kinase C and p53-MDM2 or PKC and mTORC1 are novel efficient therapeutic approaches for uveal melanoma

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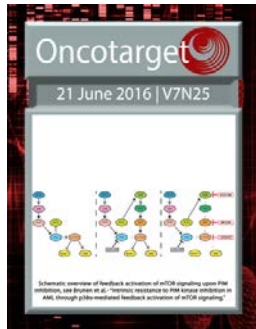
Targeting hypoxic microenvironment of pancreatic xenografts with the hypoxia-activated prodrug TH-302

DOI: [10.18632/oncotarget.9654](https://doi.org/10.18632/oncotarget.9654)

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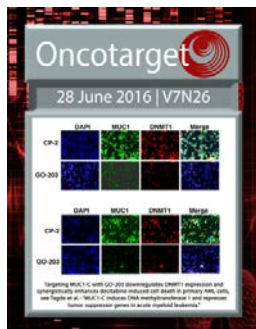
Intrinsic resistance to PIM kinase inhibition in AML through p38 α -mediated feedback activation of mTOR signaling

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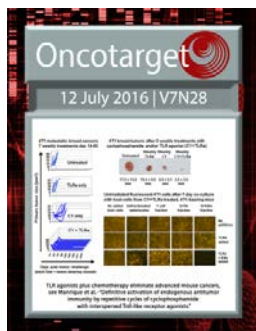
Constitutively active transforming growth factor β receptor 1 in the mouse ovary promotes tumorigenesis

DOI: [10.18632/oncotarget.10149](https://doi.org/10.18632/oncotarget.10149)

Yang Gao, David F. Vincent, Anna Jane Davis, Owen J. Sansom, Laurent Bartholin, and Qinglei Li
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Multimodal targeting of tumor vasculature and cancer stem-like cells in sarcomas with VEGF-A inhibition, HIF-1 α inhibition, and hypoxia-activated chemotherapy

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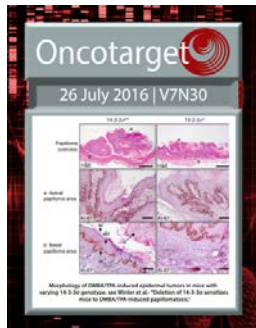
Integrated *in vivo* genetic and pharmacologic screening identifies co-inhibition of EGRF and ROCK as a potential treatment regimen for triple-negative breast cancer

DOI: [10.18632/oncotarget.10230](https://doi.org/10.18632/oncotarget.10230)

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Loss of T-cell quiescence by targeting Sln2 prevents the development and progression of T-ALL

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Knockout of MDA-9/Syntenin (SDCBP) expression in the microenvironment dampens tumor-supporting inflammation and inhibits melanoma metastasis

DOI: [10.18632/oncotarget.10040](https://doi.org/10.18632/oncotarget.10040)

Swadesh K. Das, Chunqing Guo, Anjan K. Pradhan, Praveen Bhoopathi, Sarmistha Talukdar, Xue-Ning Shen, Luni Emdad, Mark A. Subler, Jolene J. Windle, Devanand Sarkar, Xiang-Yang Wang, and Paul B. Fisher
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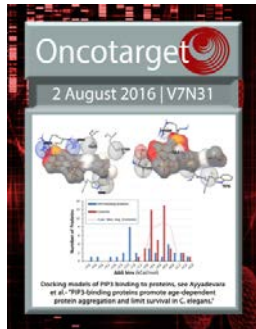
Deletion of 14-3-3 σ sensitizes mice to DMBA/TPA-induced papillomatosis

DOI: [10.18632/oncotarget.10478](https://doi.org/10.18632/oncotarget.10478)

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Circulating nano-particulate TLR9 agonist scouts out tumor microenvironment to release immunogenic dead tumor cells

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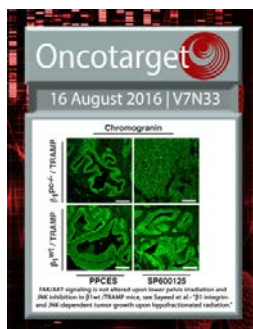
PIP₃-binding proteins promote age-dependent protein aggregation and limit survival in *C. elegans*

DOI: [10.18632/oncotarget.10549](https://doi.org/10.18632/oncotarget.10549)

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β 1 integrin- and JNK-dependent tumor growth upon hypofractionated radiation

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Aejaz Sayeed, Huimin Lu, Qin Liu, David Deming II, Alexander Duffy, Peter McCue, Adam P. Dicker, Roger J. Davis, Dmitry Gabrilovich, Ulrich Rodeck, Dario C. Altieri, and Lucia R. Languino
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Troponin-I enhances and is required for oncogenic overgrowth

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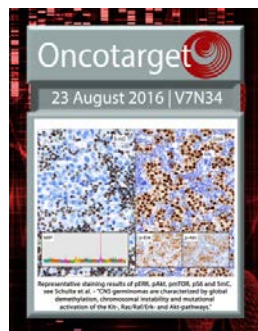
p53 elevation in human cells halt SV40 infection by inhibiting T-ag expression

DOI: [10.18632/oncotarget.10769](https://doi.org/10.18632/oncotarget.10769)

Nir Drayman, Orly Ben-nun-Shaul, Veronika Butin-Israeli, Rohit Srivastava, Ariel M. Rubinstein, Caroline S. Mock, Ela Elyada, Yinon Ben-Neria, Galit Lahav, and Ariella Oppenheim
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Novel function of MDA-9/Syntenin (SDCBP) as a regulator of survival and stemness in glioma stem cells

DOI: [10.18632/oncotarget.10851](https://doi.org/10.18632/oncotarget.10851)

Sarmistha Talukdar, Swadesh K. Das, Anjan K. Pradhan, Luni Emdad, Xue-Ning Shen, Jolene J. Windle, Devanand Sarkar, and Paul B. Fisher
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Effective combination therapies in preclinical endocrine resistant breast cancer models harboring ER mutations

DOI: [10.18632/oncotarget.10852](https://doi.org/10.18632/oncotarget.10852)

Brendon Ladd, Anne Marie Mazzola, Teeru Bihani, Zhongwu Lai, James Bradford, Michael Collins, Evan Barry, Anne U. Goeppert, Hazel M. Weir, Kelly Hearne, Jonathan G. Renshaw, Morvarid Mohseni, Elaine

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EGFR-targeted therapy results in dramatic early lung tumor regression accompanied by imaging response and immune infiltration in EGFR mutant transgenic mouse models

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Abhilash Venugopalan, Min-Jung Lee, Gang Niu, José Medina-Echeverz, Yusuke Tomita, Martin J. Lizak, Constance M. Cultraro, Robert Mark Simpson, Xiaoyuan Chen, Jane B. Trepel, and Udayan Guha
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Δ Np63 drives metastasis in breast cancer cells *via* PI3K/CD44v6 axis

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Simone Di Franco, Alice Turdo, Antonina Benfante, Maria L. Colorito, Miriam Gaggianesi, Tiziana Apuzzo, Raju Kandimalla, Aurora Chinnici, Daniela Barcaroli, Laura Rosa Mangiapane, Giuseppe Pistone, Salvatore Vieni, Eliana Gulotta, Francesco Dieli, Jan Paul Medema, Giorgio Stassi, Vincenzo De Laurenzi, and Matilde Todaro
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Upregulation of long noncoding RNA MIAT in aggressive form of chronic lymphocytic leukemias

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Immortalization of human AE pre-leukemia cells by hTERT allows leukemic transformation

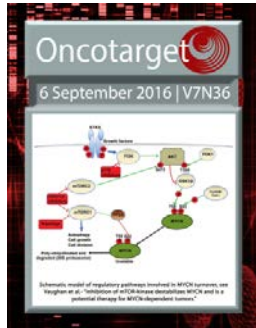
DOI: [10.18632/oncotarget.11093](https://doi.org/10.18632/oncotarget.11093)

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NFIB overexpression cooperates with *Rb/p53* deletion to promote small cell lung cancer

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Inhibition of mTOR-kinase destabilizes MYCN and is a potential therapy for MYCN-dependent tumors

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Lynsey Vaughan, Paul A. Clarke, Karen Barker, Yvan Chanthery, Clay W. Gustafson, Elizabeth Tucker, Jane Renshaw, Florence Raynaud, Xiaodun Li, Rosemary Burke, Yann Jamin, Simon P. Robinson, Andrew Pearson, Michel Maira, William A. Weiss, Paul Workman, and Louis Chesler
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PDCD4 is a CSL associated protein with a transcription repressive function in cancer associated fibroblast activation

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Heterogeneity in mechanisms of emergent resistance in pediatric T-cell acute lymphoblastic leukemia

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Computational drugs repositioning identifies inhibitors of oncogenic PI3K/AKT/P70S6K-dependent pathways among FDA-approved compounds

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Diego Carrella, Isabella Manni, Barbara Tumaini, Rosanna Dattilo, Federica Papaccio, Margherita Mutarelli, Francesco Sirci, Carla A. Amoreo, Marcella Mottolese, Manuela Iezzi, Laura Ciolli, Valentina Aria, Roberta Bosotti, Antonella Isacchi, Fabrizio Loreni, Alberto Bardelli, Vittorio E. Avvedimento, Diego di Bernardo, and Luca Cardone
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Efficacy of ATR inhibitors as single agents in Ewing sarcoma

DOI: [10.18632/oncotarget.11643](https://doi.org/10.18632/oncotarget.11643)

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Lgl1 prevents metaplastic survival driven by epidermal growth factor dependent migration

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Fusion between cancer cells and macrophages occurs in a murine model of spontaneous *neu*⁺ breast cancer without increasing its metastatic potential

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Michela Lizier, Achille Anselmo, Stefano Mantero, Francesca Ficara, Marianna Paulis, Paolo Vezzoni, Franco Lucchini, and Giovanni Pacchiana
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Phenotypic consequences of somatic mutations in the ataxia-telangiectasia mutated gene in non-small cell lung cancer

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γ -secretase inhibitor I inhibits neuroblastoma cells, with NOTCH and the proteasome among its targets

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Carmen Dorneburg, Annika V. Goß, Matthias Fischer, Frederik Roels, Thomas F.E. Barth, Frank Berthold, Roland Kappler, Franz Oswald, Jens T. Siveke, Jan J. Molenaar, Klaus-Michael Debatin, and Christian Beltinger
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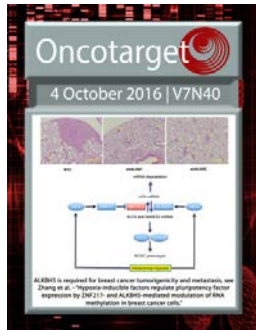
Acquisition of an oncogenic fusion protein serves as an initial driving mutation by inducing aneuploidy and overriding proliferative defects

DOI: [10.18632/oncotarget.11716](https://doi.org/10.18632/oncotarget.11716)

Jacob M. Loupe, Patrick J. Miller, Benjamin P. Bonner, Elaine C. Maggi, Jyothi Vijayaraghavan, Jovanny Zabaleta, Christopher M. Taylor, Fern Tsien, Judy S. Crabtree, and Andrew D. Hollenbach
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Hypoxia-inducible factors regulate pluripotency factor expression by ZNF217- and ALKBH5-mediated modulation of RNA methylation in breast cancer cells

DOI: [10.18632/oncotarget.11743](https://doi.org/10.18632/oncotarget.11743)

Chuanzhao Zhang, Wanqing Iris Zhi, Haiquan Lu, Debangshu Samanta, Ivan Chen, Edward Gabrielson, and Gregg L. Semenza
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T-cell epitope strength in WAP-T mouse mammary carcinomas is an important determinant in PD1/PD-L1 immune checkpoint blockade therapy

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p27^{kip1} expression limits H-Ras-driven transformation and tumorigenesis by both canonical and non-canonical mechanisms

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Ilenia Pellizzari, Linda Fabris, Stefania Berton, Ilenia Segatto, Francesca Citron, Sara D'Andrea, Martina Cusan, Sara Benevol, Tiziana Perin, Samuele Massarut, Vincenzo Canzonieri, Monica Schiappacassi, Barbara Belletti, and Gustavo Baldassarre
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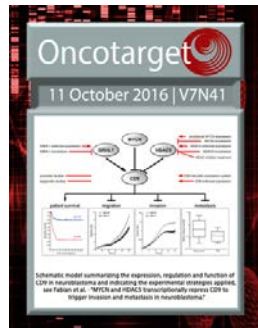
Piwi2 is reactivated by HPV oncoproteins and initiates cell reprogramming *via* epigenetic regulation during cervical cancer tumorigenesis

DOI: [10.18632/oncotarget.11810](https://doi.org/10.18632/oncotarget.11810)

Dingqing Feng, Keqin Yan, Ying Zhou, Haiyan Liang, Jing Liang, Weidong Zhao, Zhongjun Dong, and Bin Ling
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Three new pancreatic cancer susceptibility signals identified on chromosomes 1q32.1, 5p15.33 and 8q24.21

DOI: [10.18632/oncotarget.11041](https://doi.org/10.18632/oncotarget.11041)

Mingfeng Zhang, Zhaoming Wang, Ofure Obazee, Jinping Jia, Erica J. Childs, Jason Hoskins, Gisella Figlioli, Evelina Mocci, Irene Collins, Charles C. Chung, Christopher Hautman, Alan A. Arslan, Laura Beane-Freeman, Paige M. Bracci, Julie Buring, Eric J. Duell, Steven Gallinger, Graham G. Giles, Gary E. Goodman, Phyllis J. Goodman, Aruna Kamineni, Laurence N. Kolonel, Matthew H. Kulke, Núria Malats, Sara H. Olson, Howard D. Sesso, Kala Visvanathan, Emily White, Wei Zheng, Christian C. Abnet, Demetrius Albanes, Gabriella Andreotti, Lauren Brais, H. Bas Bueno-de-Mesquita, Daniela Basso, Sonja I. Berndt, Marie-Christine Boutron-Ruault, Maarten F. Bijlsma, Hermann Brenner, Laurie Burdette, Daniele Campa, Neil E. Caporaso, Gabriele Capurso, Giulia Martina Cavestro, Michelle Cotterchio, Eithne Costello, Joanne Elena, Ugo Boggi, J. Michael Gaziano, Maria Gazouli, Edward L. Giovannucci, Michael Goggins, Myron Gross, Christopher A. Haiman, Manal Hassan, Kathy J. Helzlsouer, Nan Hu, David J. Hunter, Elzbieta Iskierka-Jazdzewska, Mazda Jenab, Rudolf Kaaks, Timothy J. Key, Kay-Tee Khaw, Eric A. Klein, Manolis Kogevinas, Vittorio Krogh, Juozas Kupcinskas, Robert C. Kurtz, Maria T. Landi, Stefano Landi, Loic Le Marchand, Andrea Mambrini, Satu Mannisto, Roger L. Milne, Rachel E. Neale, Ann L. Oberg, Salvatore Panico, Alpa V. Patel, Petra H. M. Peeters, Ulrike Peters, Raffaele Pezzilli, Miquel Porta, Mark Purdue, J. Ramón Quiros, Elio Riboli, Nathaniel Rothman, Aldo Scarpa, Ghislaine Scelo, Xiao-Ou Shu, Debra T. Silverman, Pavel Soucek, Oliver Strobel, Malin Sund, Ewa Małecká-Panas, Philip R. Taylor, Francesca Tavano, Ruth C. Travis, Mark Thornquist, Geoffrey S. Tobias, Dimitrios Trichopoulos, Yogesh Vashist, Pavel Vodicka, Jean Wactawski-Wende, Nicolas Wentzensen, Herbert Yu, Anne Zeleniuch-Jacquotte, Charles Kooperberg, Harvey A. Risch, Eric J. Jacobs, Donghui Li, Charles Fuchs, Robert Hoover, Patricia Hartge, Stephen J. Chanock, Gloria M. Petersen, Rachael S. Stolzenberg-Solomon, Brian M. Wolpin, Peter Kraft, Alison P. Klein, Federico Canzian, and Laufey T. Amundadottir

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MYCN and HDAC5 transcriptionally repress CD9 to trigger invasion and metastasis in neuroblastoma

DOI: 10.18632/oncotarget.11662

Johannes Fabian, Desirée Opitz, Kristina Althoff, Marco Lodrini, Barbara Hero, Ruth Volland, Anneleen Beckers, Katleen de Preter, Anneleen Decock, Nitin Patil, Mohammed Abba, Annette Kopp-Schneider, Kathy Astrahantseff, Jasmin Wünschel, Sebastian Pfeil, Maria Ercu, Annette Künkele, Jamie Hu, Theresa Thole, Leonille Schweizer, Gunhild Mechtersheimer, Daniel Carter, Belamy B. Cheung, Odilia Popanda, Andreas von Deimling, Jan Koster, Rogier Versteeg, Manfred Schwab, Glenn M. Marshall, Frank Speleman, Ulrike Erb, Margot Zoeller, Heike Allgayer, Thorsten Simon, Matthias Fischer, Andreas E. Kulozik, Angelika Eggert, Olaf Witt, Johannes H. Schulte, and Hedwig E. Deubzer

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Noncanonical SQSTM1/p62-Nrf2 pathway activation mediates proteasome inhibitor resistance in multiple myeloma cells via redox, metabolic and translational reprogramming

DOI: 10.18632/oncotarget.11960

Irene Riz, Teresa S. Hawley, Jeffrey W. Marsal, and Robert G. Hawley

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PML/RAR α inhibits PTEN expression in hematopoietic cells by competing with PU.1 transcriptional activity

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Nélida Inés Noguera, Maria Liliana Piredda, Riccardo Taulli, Gianfranco Catalano, Giulia Angelini, Girish Gaur, Clara Nervi, Maria Teresa Voso, Andrea Lunardi, Pier Paolo Pandolfi, and Francesco Lo-Coco

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***Smyd2* is a Myc-regulated gene critical for MLL-AF9 induced leukemogenesis**

DOI: 10.18632/oncotarget.12012

Sevgi Bagislar, Arianna Sabò, Theresia R. Kress, Mirko Doni, Paola Nicoli, Stefano Campaner, and Bruno Amati

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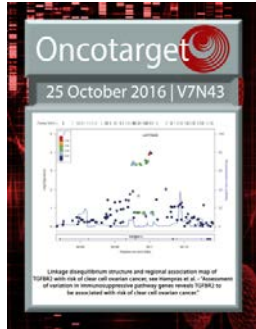
Role of *TP53* mutations in triple negative and HER2-positive breast cancer treated with neoadjuvant anthracycline/taxane-based chemotherapy

DOI: [10.18632/oncotarget.11891](https://doi.org/10.18632/oncotarget.11891)

Silvia Darb-Esfahani, Carsten Denkert, Albrecht Stenzinger, Christoph Salat, Bruno Sinn, Christian Schem, Volker Endris, Peter Klare, Wolfgang Schmitt, Jens-Uwe Blohmer, Wilko Weichert, Markus Möbs, Hans Tesch, Sherko Kümmel, Peter Sinn, Christian Jackisch, Manfred Dietel, Toralf Reimer, Sherene Loi, Michael Untch, Gunter von Minckwitz, Valentina Nekljudova, and Sibylle Loibl
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Assessment of variation in immunosuppressive pathway genes reveals TGFBR2 to be associated with risk of clear cell ovarian cancer

DOI: [10.18632/oncotarget.10215](https://doi.org/10.18632/oncotarget.10215)

Shalaka S. Hampras, Lara E. Sucheston-Campbell, Rikki Cannioto, Jenny Chang-Claude, Francesmary Modugno, Thilo Dörk, Peter Hillemanns, Leah Preus, Keith L. Knutson, Paul K. Wallace, Chi-Chen Hong, Grace Friel, Warren Davis, Mary Nesline, Celeste L. Pearce, Linda E. Kelemen, Marc T. Goodman, Elisa V. Bandera, Kathryn L. Terry, Nils Schoof, Kevin H. Eng, Alyssa Clay, Prashant K. Singh, Janine M. Joseph, Katja K.H. Aben, Hoda Anton-Culver, Natalia Antonenkova, Helen Baker, Yukie Bean, Matthias W. Beckmann, Maria Bisogna, Line Bjorge, Natalia Bogdanova, Louise A. Brinton, Angela Brooks-Wilson, Fiona Bruinsma, Ralf Butzow, Ian G. Campbell, Karen Carty, Linda S. Cook, Daniel W. Cramer, Cezary Cybulski, Agnieszka Dansonka-Mieszkowska, Joe Dennis, Evelyn Despierre, Ed Dicks, Jennifer A. Doherty, Andreas du Bois, Matthias Dürst, Doug Easton, Diana Eccles, Robert P. Edwards, Arif B. Ekici, Peter A. Fasching, Brooke L. Fridley, Yu-Tang Gao, Aleksandra Gentry-Maharaj, Graham G. Giles, Rosalind Glasspool, Jacek Gronwald, Patricia Harrington, Philipp Harter, Hanis Nazihah Hasmad, Alexander Hein, Florian Heitz, Michelle A.T. Hildebrandt, Claus Hogdall, Estrid Hogdall, Satoyo Hosono, Edwin S. Iversen, Anna Jakubowska, Allan Jensen, Bu-Tian Ji, Beth Y. Karlan, Melissa Kellar, Joseph L. Kelley, Lambertus A. Kiemeny, Rüdiger Klapdor, Nonna Kolomeyevskaya, Camilla Krakstad, Susanne K. Kjaer, Bridget Kruszka, Jolanta Kupryjanczyk, Diether Lambrechts, Sandrina Lambrechts, Nhu D. Le, Alice W. Lee, Shashikant Lele, Arto Leminen, Jenny Lester, Douglas A. Levine, Dong Liang, Jolanta Lissowska, Song Liu, Karen Lu, Jan Lubinski, Lene Lundvall, Leon F.A.G. Massuger, Keitaro Matsuo, Valeria McGuire, John R. McLaughlin, Ian McNeish, Usha Menon, Joanna Moes-Sosnowska, Steven A. Narod, Lotte Nedergaard, Heli Nevalinna, Stefan Nickels, Lotte Nedergaard, Heli Nevanlinna, Stefan Nickels, Sara H. Olson, Irene Orlow, Rachel Palmieri Weber, James Paul, Tanja Pejovic, Liisa M. Pelttari, Barbara Perkins, Jenny Permut-Wey, Malcolm C. Pike, Joanna Plisiecka-Halasa, Elizabeth M. Poole, Harvey A. Risch, Mary Anne Rossing, Joseph H. Rothstein, Anja Rudolph, Ingo B. Runnebaum, Iwona K. Rzepecka, Helga B. Salvesen, Eva Schernhammer, Kristina Schmitt, Ira Schwaab, Xiao-Ou Shu, Yurii B. Shvetsov, Nadeem Siddiqui, Weiva Sieh, Honglin Song, Melissa C. Southey, Ingvild L. Tangen, Soo-Hwang Teo, Pamela J. Thompson, Agnieszka Timorek, Ya-Yu Tsai, Shelley S. Tworoger, Jonathan Tyrer, Anna M. van Altena, Ignace Vergote, Robert A. Vierkant, Christine Walsh, Shan Wang-Gohrke, Nicolas Wentzensen, Alice S. Whittemore, Kristine G. Wicklund, Lynne R. Wilkens, Anna H. Wu, Xifeng Wu, Yin-Ling Woo, Hannah Yang, Wei Zheng, Argyrios Ziogas, Simon A. Gayther, Susan J. Ramus, Thomas A. Sellers, Joellen M. Schildkraut,

Catherine M. Phelan, Andrew Berchuck, Georgia Chenevix-Trench, Julie M. Cunningham, Paul P. Pharoah, Roberta B. Ness, Kunle Odunsi, Ellen L. Goode, and Kirsten B. Moysich
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Defining the transcriptional and biological response to CDK4/6 inhibition in relation to ER+/HER2- breast cancer

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69111-69123

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***Dnmt3a* deletion cooperates with the *Flt3/ITD* mutation to drive leukemogenesis in a murine model**

DOI: 10.18632/oncotarget.11986

Jennifer L. Poitras, Diane Heiser, Li Li, Bao Nguyen, Kozo Nagai, Amy S. Duffield, Christopher Gamper, and Donald Small
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Native and bone marrow-derived cell mosaicism in gastric carcinoma in *H. pylori*-infected p27-deficient mice

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Targeting the ERK pathway for the treatment of Cushing's disease

DOI: 10.18632/oncotarget.12381

Dongyun Zhang, Marvin Bergsneider, Marilene B. Wang, and Anthony P. Heaney
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RGS6 is an essential tumor suppressor that prevents bladder carcinogenesis by promoting p53 activation and DNMT1 downregulation

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Jianqi Yang, Lance T. Platt, Biswanath Maity, Katelin E. Ahlers, Zili Luo, Zhibo Lin, Bandana Chakravarti, Stella-Rita Ibeawuchi, Ryan W. Askeland, Jolanta Bondaruk, Bogdan A. Czerniak, and Rory A. Fisher
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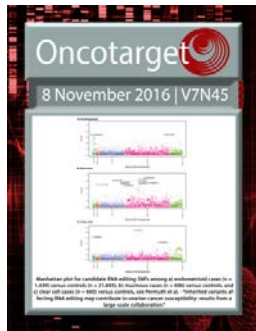
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IKK/NF- κ B signaling contributes to glioblastoma stem cell maintenance

DOI: 10.18632/oncotarget.12507

Amanda L. Rinkenbaugh, Patricia C. Cogswell, Barbara Calamini, Denise E. Dunn, Anders I. Persson, William A. Weiss, Donald C. Lo, and Albert S. Baldwin
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Inherited variants affecting RNA editing may contribute to ovarian cancer susceptibility: results from a large-scale collaboration

DOI: [10.18632/oncotarget.10546](https://doi.org/10.18632/oncotarget.10546)

Jennifer B. Permeth, Brett Reid, Madalene Earp, Y. Ann Chen, Alvaro NA. Monteiro, Zhihua Chen, AOCS Study Group, Georgia Chenevix-Trench, Peter A. Fasching, Matthias W. Beckmann, Diether Lambrechts, Adriaan Vanderstichele, Els Van Niewenhuyse, Ignace Vergote, Mary Anne Rossing, Jennifer Anne Doherty, Jenny Chang-Claude, Kirsten Moysich, Kunle Odunsi, Marc T. Goodman, Yurii B. Shvetsov, Lynne R. Wilkens, Pamela J. Thompson, Thilo Dörk, Natalia Bogdanova, Ralf Butzow, Heli Nevanlinna, Liisa Pelttari, Arto Leminen, Francesmary Modugno, Robert P. Edwards, Roberta B. Ness, Joseph Kelley, Florian Heitz, Beth Karlan, Jenny Lester, Susanne K. Kjaer, Allan Jensen, Graham Giles, Michelle Hildebrandt, Dong Liang, Karen H. Lu, Xifeng Wu, Douglas A. Levine, Maria Bisogna, Andrew Berchuck, Daniel W. Cramer, Kathryn L. Terry, Shelley S. Tworoger, Elizabeth M. Poole, Elisa V. Bandera, Brooke Fridley, Julie Cunningham, Stacey J. Winham, Sara H. Olson, Irene Orlow, Line Bjorge, Lambertus A. Kiemenev, Leon Massuger, Tanja Pejovic, Melissa Moffitt, Nhu Le, Linda S. Cook, Angela Brooks-Wilson, Linda E. Kelemen, Jacek Gronwald, Jan Lubinski, Nicolas Wentzensen, Louise A. Brinton, Jolanta Lissowska, Hanna Yang, Estrid Hogdall, Claus Hogdall, Lene Lundvall, Paul DP Pharoah, Honglin Song, Ian Campbell, Diana Eccles, Iain McNeish, Alice Whittemore, Valerie McGuire, Weiva Sieh, Joseph Rothstein, Catherine M. Phelan, Harvey Risch, Steven Narod, John McLaughlin, Hoda Anton-Culver, Argyrios Ziogas, Usha Menon, Simon Gayther, Susan J. Ramus, Aleksandra Gentry-Maharaj, Celeste Leigh Pearce, Anna H. Wu, Jolanta Kupryjanczyk, Agnieszka Dansonka-Mieszkowska, Joellen M. Schildkraut, Jin Q. Cheng, Ellen L. Goode, and Thomas A. Sellers
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Multi-focal control of mitochondrial gene expression by oncogenic MYC provides potential therapeutic targets in cancer

DOI: [10.18632/oncotarget.11718](https://doi.org/10.18632/oncotarget.11718)

Amanda R. Oran, Clare M. Adams, Xiao-yong Zhang, Victoria J. Gennaro, Harla K. Pfeiffer, Hestia S. Mellert, Hans E. Seidel, Kirsten Mascioli, Jordan Kaplan, Mahmoud R. Gaballa, Chen Shen, Isidore Rigoutsos, Michael P. King, Justin L. Cotney, Jamie J. Arnold, Suresh D. Sharma, Ubaldo E. Martinez-Outschoorn, Christopher R. Vakoc, Lewis A. Chodosh, James E. Thompson, James E. Bradner, Craig E. Cameron, Gerald S. Shadel, Christine M. Eischen, and Steven B. McMahon
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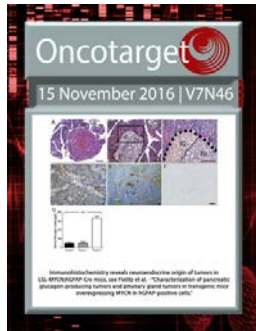
The mitochondrial translation machinery as a therapeutic target in Myc-driven lymphomas

DOI: [10.18632/oncotarget.11719](https://doi.org/10.18632/oncotarget.11719)

Aleco D'Andrea, Ilaria Gritti, Paola Nicoli, Marco Giorgio, Mirko Doni, Annalisa Conti, Valerio Bianchi, Lucia Casoli, Arianna Sabò, Alexandre Mironov, Galina V. Beznoussenko, and Bruno Amati
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Characterization of pancreatic glucagon-producing tumors and pituitary gland tumors in transgenic mice overexpressing *MYCN* in *hGFAP*-positive cells

DOI: [10.18632/oncotarget.12766](https://doi.org/10.18632/oncotarget.12766)

Kathrin Fielitz, Kristina Althoff, Katleen De Preter, Julie Nonnekens, Jasmin Ohli, Sandra Elges, Wolfgang Hartmann, Günter Klöppel, Thomas Knösel, Marc Schulte, Ludger Klein-Hitpass, Daniela Beisser, Annette Eyking, Elke Cario, Johannes H. Schulte, Shuang-Xi Wang, Alexander Schramm, and Ulrich Schüller
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The deubiquitinase *USP54* is overexpressed in colorectal cancer stem cells and promotes intestinal tumorigenesis

DOI: [10.18632/oncotarget.12769](https://doi.org/10.18632/oncotarget.12769)

Julia M. Fraile, Diana Campos-Iglesias, Francisco Rodríguez, Yaiza Español, and José M.P. Freije
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Absence of ERK5/MAPK7 delays tumorigenesis in *Atm*^{-/-} mice

DOI: [10.18632/oncotarget.12908](https://doi.org/10.18632/oncotarget.12908)

Alba Granados-Jaén, Maria Angulo-Ibáñez, Xavier Rovira-Clavé, Celina Paola Vasquez Gamez, Francesc X. Soriano, Manuel Reina, and Enric Espel
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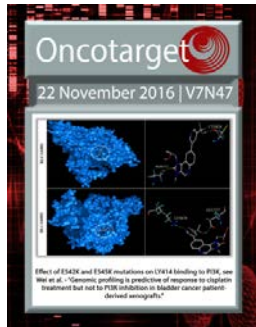
Kinetics, prognostic and predictive values of *ESR1* circulating mutations in metastatic breast cancer patients progressing on aromatase inhibitor

DOI: [10.18632/oncotarget.12950](https://doi.org/10.18632/oncotarget.12950)

Florian Clatot, Anne Perdrix, Laetitia Augusto, Ludivine Beaussire, Julien Delacour, Céline Calbrix, David Sefrioui, Pierre-Julien Viailly, Michael Bubenheim, Cristian Moldovan, Cristina Alexandru, Isabelle Tennevet, Olivier Rigal, Cécile Guillemet, Marianne Leheurteur, Sophie Gouérand, Camille Petraou, Jean-Christophe Théry, Jean-Michel Picquenot, Corinne Veyret, Thierry Frébourg, Fabrice Jardin, Nasrin Sarafan-Vasseur, and Frédéric Di Fiore
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Clinical outcomes based on multigene profiling in metastatic breast cancer patients

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Reva K. Basho, Debora de Melo Gagliato, Naoto T. Ueno, Chetna Wathoo, Huiqin Chen, Maryam Shariati, Caimiao Wei, Ricardo H. Alvarez, Stacy L. Moulder, Aysegul A. Sahin, Sinchita Roy-Chowdhuri, Mariana Chavez-MacGregor, Jennifer K. Litton, Vincent Valero, Raja Luthra, Jia Zeng, Kenna R. Shaw, John Mendelsohn, Gordon B. Mills, Debu Tripathy, and Funda Meric-Bernstam

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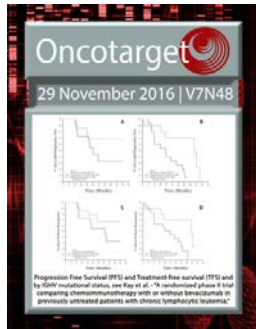
Genomic profiling is predictive of response to cisplatin treatment but not to PI3K inhibition in bladder cancer patient-derived xenografts

DOI: [10.18632/oncotarget.13062](https://doi.org/10.18632/oncotarget.13062)

Lei Wei, Sreenivasulu Chintala, Eric Ciamporcerro, Swathi Ramakrishnan, May Elbanna, Jianmin Wang, Qiang Hu, Sean T. Glenn, Mitsuko Murakami, Lu Liu, Eduardo Cortes Gomez, Yuchen Sun, Jacob Conroy, Kiersten Marie Miles, Kullappan Malathi, Sudha Ramaiah, Anand Anbarasu, Anna Woloszynska-Read, Candace S. Johnson, Jeffrey Conroy, Song Liu, Carl D. Morrison, and Roberto Pili

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Hedgehog pathway dysregulation contributes to the pathogenesis of human gastrointestinal stromal tumors *via* GLI-mediated activation of *KIT* expression

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Chih-Min Tang, Tracy E. Lee, Sabriya A. Syed, Adam M. Burgoyne, Stephanie Y. Leonard, Fei Gao, Jonathan C. Chan, Eileen Shi, Juliann Chmielecki, Deborah Morosini, Kai Wang, Jeffrey S. Ross, Michael L. Kendrick, Michael R. Bardsley, Martina De Siena, Junhao Mao, Olivier Harismendy, Tamas Ordog, and Jason K. Sicklick
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CPI-17 drives oncogenic Ras signaling in human melanomas via Ezrin-Radixin-Moesin family proteins

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Lars Björn Riecken, Ansgar Zoch, Ulrike Wiehl, Sabine Reichert, Ingmar Scholl, Yan Cui, Mirjana Ziemer, Ulf Anderegg, Christian Hagel, and Helen Morrison
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p73 expression is regulated by ribosomal protein RPL26 through mRNA translation and protein stability

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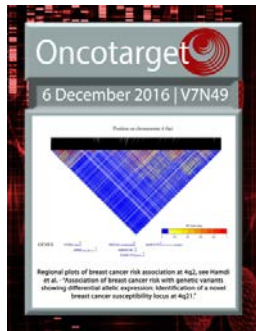
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A randomized phase II trial comparing chemoimmunotherapy with or without bevacizumab in previously untreated patients with chronic lymphocytic leukemia

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Neil E. Kay, Paolo Strati, Betsy R. LaPlant, Jose F. Leis, Daniel Nikcevich, Timothy G. Call, Adam M. Pettinger, Connie E. Lesnick, Curtis A. Hanson, and Tait D. Shanafelt
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MEK1 is required for the development of NRAS-driven leukemia

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Joanna D. Nowacka, Christian Baumgartner, Cristiana Pelorosso, Mareike Roth, Johannes Zuber, and Manuela Baccharini

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Rapamycin enhances survival in a *Drosophila* model of mitochondrial disease

DOI: [10.18632/oncotarget.12560](https://doi.org/10.18632/oncotarget.12560)

Adrienne Wang, Jacob Mouser, Jason Pitt, Daniel Promislow, and Matt Kaerberlein

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Association of breast cancer risk with genetic variants showing differential allelic expression: Identification of a novel breast cancer susceptibility locus at 4q21

DOI: [10.18632/oncotarget.12818](https://doi.org/10.18632/oncotarget.12818)

Yosr Hamdi, Penny Soucy, Véronique Adoue, Kyriaki Michailidou, Sander Canisius, Audrey Lemaçon, Arnaud Droit, Irene L. Andrulis, Hoda Anton-Culver, Volker Arndt, Caroline Baynes, Carl Blomqvist, Natalia V. Bogdanova, Stig E. Bojesen, Manjeet K. Bolla, Bernardo Bonanni, Anne-Lise Borresen-Dale, Judith S. Brand, Hiltrud Brauch, Hermann Brenner, Annegien Broeks, Barbara Burwinkel, Jenny Chang-Claude, NBCS Collaborators, Fergus J. Couch, Angela Cox, Simon S. Cross, Kamila Czene, Hatef Darabi, Joe Dennis, Peter Devilee, Thilo Dörk, Isabel Dos-Santos-Silva, Mikael Eriksson, Peter A. Fasching, Jonine Figueroa, Henrik Flyger, Montserrat García-Closas, Graham G. Giles, Mark S. Goldberg, Anna González-Neira, Grethe Grenaker-Alnæs, Pascal Guénel, Lothar Haeberle, Christopher A. Haiman, Ute Hamann, Emily Hallberg, Maartje J. Hooning, John L. Hopper, Anna Jakubowska, Michael Jones, Maria Kabisch, Vesa Kataja, Diether Lambrechts, Loic Le Marchand, Annika Lindblom, Jan Lubinski, Arto Mannermaa, Mel Maranian, Sara Margolin, Frederik Marme, Roger L. Milne, Susan L. Neuhausen, Heli Nevanlinna, Patrick Neven, Curtis Olswold, Julian Peto, Dijana Plaseska-Karanfilska, Katri Pylkäs, Paolo Radice, Anja Rudolph, Elinor J. Sawyer, Marjanka K. Schmidt, Xiao-Ou Shu, Melissa C. Southey, Anthony Swerdlow, Rob A.E.M. Tollenaar, Ian Tomlinson, Diana Torres, Celine Vachon, Ans M.W. Van Den Ouweland, Qin Wang, Robert Winqvist, kConFab/AOCS Investigators, Wei Zheng, Javier Benitez, Georgia Chenevix-Trench, Alison Easton, Tomi Pastinen, Silje Nord, and Jacques Simard

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Specific micro-RNA expression patterns distinguish the basal and luminal subtypes of muscle-invasive bladder cancer

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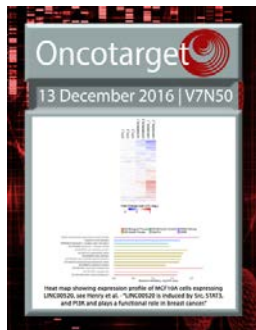
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