

Year	Journal	Volume	Page	Title	PMID	Authors
2021	iScience	24	102212	A Drosophila platform identifies a novel, personalized therapy for a patient with adenoid cystic carcinoma.	33733072	Bangi, Erdem; Smibert, Peter; Uzilov, Andrew V; Teague, Alexander G; Gopinath, Sindhura; Antipin, Yevgeniy; Chen, Rong; Hecht, Chana; Gruszczynski, Nelson; Yon, Wesley J; Malyshev, Denis; Laspina, Denise; Selkridge, Isaiah; Wang, Huan; Gomez, Jorge; Mascarenhas, John; Moe, Aye S; Lau, Chun Yee; Taik, Patricia; Pandya, Chetanya; Sung, Max; Kim, Sara; Yum, Kendra; Sebra, Robert; Donovan, Michael; Misiukiewicz, Krzysztof; Ang, Celina; Schadt, Eric E; Posner, Marshall R; Cagan, Ross L
2020	Cell chemical biology	27	770-772	Ploidy Leads a Molecular Motor to Walk Different Paths to Drug Resistance.	32679092	Real, Alexander M; Marsiglia, William M; Dar, Arvin C
2020	Nature	588	509-514	Structural basis for the action of the drug trametinib at KSR-bound MEK.	32927473	Khan, Zaigham M; Real, Alexander M; Marsiglia, William M; Chow, Arthur; Duffy, Mary E; Yerabolu, Jayasudhan R; Scopton, Alex P; Dar, Arvin C
2020	eLife	9		The transcriptomic response of cells to a drug combination is more than the sum of the responses to the monotherapies.	32945258	Diaz, Jennifer El; Ahsen, Mehmet Eren; Schaffter, Thomas; Chen, Xintong; Realubit, Ronald B; Karan, Charles; Califano, Andrea; Losic, Bojan; Stolovitzky, Gustavo
2019	Science advances	5	eaav6528	A personalized platform identifies trametinib plus zoledronate for a patient with KRAS-mutant metastatic colorectal cancer.	31131321	Bangi, Erdem; Ang, Celina; Smibert, Peter; Uzilov, Andrew V; Teague, Alexander G; Antipin, Yevgeniy; Chen, Rong; Hecht, Chana; Gruszczynski, Nelson; Yon, Wesley J; Malyshev, Denis; Laspina, Denise; Selkridge, Isaiah; Rainey, Hope; Moe, Aye S; Lau, Chun Yee; Taik, Patricia; Wilck, Eric; Bhardwaj, Aarti; Sung, Max; Kim, Sara; Yum, Kendra; Sebra, Robert; Donovan, Michael; Misiukiewicz, Krzysztof; Schadt, Eric E; Posner, Marshall R; Cagan, Ross L
2019	Developmental cell	49	317-324	Modeling Cancer with Flies and Fish.	31063751	Cagan, Ross L; Zon, Leonard I; White, Richard M
2019	PLoS computational biology	15	e1006878	Integrated computational and Drosophila cancer model platform captures previously unappreciated chemicals perturbing a kinase network.	31026276	Ung, Peter M U; Sonoshita, Masahiro; Scopton, Alex P; Dar, Arvin C; Cagan, Ross L; Schlessinger, Avner
2019	Journal of visualized experiments : JoVE			Isolation and Characterization of Tumor-initiating Cells from Sarcoma Patient-derived Xenografts.	31259909	Han, Dan; Rodriguez-Bravo, Veronica; Izadmehr, Sudeh; Domingo-Domenech, Josep; Cordon-Cardo, Carlos
2019	Stem cell research	41	101637	Transformed bone marrow cells generate neoplasms of distinct histogenesis. a murine model of cancer transplantation.	31731181	Castillo-Martin, Mireia; Gladoun, Nataliya; Han, Dan; Firpo-Betancourt, Adolfo; Silva, Jose M; Cordon-Cardo, Carlos
2018	Cell chemical biology	25	916-924.e2	Redefining the Protein Kinase Conformational Space with Machine Learning.	29861272	Ung, Peter Man-Un; Rahman, Rayees; Schlessinger, Avner
2018	European journal of medicinal chemistry	157	1005-1016	Novel selective thiaziazine DYRK1A inhibitor lead scaffold with human pancreatic β-cell proliferation activity.	30170319	Kumar, Kunal; Man-Un Ung, Peter; Wang, Peng; Wang, Hui; Li, Hailing; Andrews, Mary K; Stewart, Andrew F; Schlessinger, Avner; DeVita, Robert J
2018	Nature chemical biology	14	291-298	A whole-animal platform to advance a clinical kinase inhibitor into new disease space.	29355849	Sonoshita, Masahiro; Scopton, Alex P; Ung, Peter M U; Murray, Matthew A; Silber, Lisa; Maldonado, Andres Y; Real, Alexander; Schlessinger, Avner; Cagan, Ross L; Dar, Arvin C
2018	Endocrine-related cancer	25	T91-T104	Non-mammalian models of multiple endocrine neoplasia type 2.	29348307	Das, Tirtha K; Cagan, Ross L
2017	JCI insight	2	e92061	Genomic profiling reveals mutational landscape in parathyroid carcinomas.	28352668	Pandya, Chetanya; Uzilov, Andrew V; Bellizzi, Justin; Lau, Chun Yee; Moe, Aye S; Strahl, Maya; Hamou, Wissam; Newman, Leah C; Fink, Marc Y; Antipin, Yevgeniy; Yu, Willie; Stevenson, Mark; Cavaco, Branca M; Teh, Bin T; Thakker, Rajesh V; Morreau, Hans; Schadt, Eric E; Sebra, Robert; Li, Shuyu D; Arnold, Andrew; Chen, Rong
2017	Cell reports	20	2368-2383	KIF5B-RET Oncoprotein Signals through a Multi-kinase Signaling Hub.	28877471	Das, Tirtha Kamal; Cagan, Ross Leigh
2017	Disease models & mechanisms	10	349-352	Rethinking cancer: current challenges and opportunities in cancer research.	28381596	Cagan, Ross; Meyer, Pablo
2017	Cell chemical biology	24	1434-1435	Multi-targeting Drug Community Challenge.	29272700	Schlessinger, Avner; Abagyan, Ruben; Carlson, Heather A; Dang, Kristen K; Guinney, Justin; Cagan, Ross L
2017	Stem cell research	21	117-123	Targeting sarcoma tumor-initiating cells through differentiation therapy.	28433655	Han, Dan; Rodriguez-Bravo, Veronica; Charytonowicz, Elizabeth; Demicco, Elizabeth; Domingo-Domenech, Josep; Maki, Robert G; Cordon-Cardo, Carlos
2016	Cell reports	14	1477-1487	Drosophila Lung Cancer Models Identify Trametinib plus Statin as Candidate Therapeutic.	26832408	Levine, Benjamin D; Cagan, Ross L
2016	Genome medicine	8	62	Development and clinical application of an integrative genomic approach to personalized cancer therapy.	27245685	Uzilov, Andrew V; Ding, Wei; Fink, Marc Y; Antipin, Yevgeniy; Brohl, Andrew S; Davis, Claire; Lau, Chun Yee; Pandya, Chetanya; Shah, Hardik; Kasai, Yumi; Powell, James; Micchelli, Mark; Castellanos, Rafael; Zhang, Zhongyang; Linderman, Michael; Kinoshita, Yayoi; Zweig, Micol; Raustad, Katie; Cheung, Kakit; Castillo, Diane; Wooten, Melissa; Bourzgui, Imane; Newman, Leah C; Deikus, Gintaras; Mathew, Bino; Zhu, Jun; Glicksberg, Benjamin S; Moe, Aye S; Liao, Jun; Edelman, Lisa; Dudley, Joel T; Maki, Robert G; Kasarskis, Andrew; Holcombe, Randall F; Mahajan, Milind; Hao, Ke; Reva, Boris; Longtine, Janina; Starcevic, Daniela; Sebra, Robert; Donovan, Michael J; Li, Shuyu; Schadt, Eric E; Chen, Rong
2016	AJR. American journal of roentgenology	206	259-64	Breast Imaging in the Era of Big Data: Structured Reporting and Data Mining.	26587797	Margolies, Laurie R; Pandey, Gaurav; Horowitz, Eliot R; Mendelson, David S
2016	Nature communications	7	13615	Functional exploration of colorectal cancer genomes using Drosophila.	27897178	Bangi, Erdem; Murgia, Claudio; Teague, Alexander G S; Sansom, Owen J; Cagan, Ross L
2016	Cell reports	16	3052-3061	Drosophila Cancer Models Identify Functional Differences between Ret Fusions.	27626672	Levinson, Sarah; Cagan, Ross L
2016	The American journal of pathology	186	3131-3145	Ornithine Decarboxylase Is Sufficient for Prostate Tumorigenesis via Androgen Receptor Signaling.	27770613	Shukla-Dave, Amita; Castillo-Martin, Mireia; Chen, Ming; Lobo, Jose; Gladoun, Nataliya; Collazo-Lorduy, Ana; Khan, Faisal M; Ponomarev, Vladimir; Yi, Zhengzi; Zhang, Weijia; Pandolfi, Pier P; Hricak, Hedvig; Cordon-Cardo, Carlos
2016	Nucleic acids research	44	e110	A new molecular signature method for prediction of driver cancer pathways from transcriptional data.	27098033	Rykunov, Dmitry; Beckmann, Noam D; Li, Hui; Uzilov, Andrew; Schadt, Eric E; Reva, Boris
2015	Frontiers in bioengineering and biotechnology	3	172	Prediction of Genetic Interactions Using Machine Learning and Network Properties.	26579514	Madhukar, Neel S; Elemento, Olivier; Pandey, Gaurav