

| Publication Title                                                                                                                                   | Publication Link                                                                                                                                      | Citation                                        | Institution                                                                                                                                                                                                                                                                                                                                                                                     | Type                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| KITlow Cells Mediate Imatinib Resistance in Gastrointestinal Stromal Tumor.                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/34376580/">https://pubmed.ncbi.nlm.nih.gov/34376580/</a>                                                     | Mol Cancer Ther. 2021 Oct;20(10):2035-2048.     | University of California San Diego                                                                                                                                                                                                                                                                                                                                                              | Primary               |
| A time-resolved fluorescence resonance energy transfer screening assay for discovery of protein-protein interaction modulators                      | <a href="https://pubmed.ncbi.nlm.nih.gov/34527960/">https://pubmed.ncbi.nlm.nih.gov/34527960/</a>                                                     | STAR Protoc. 2021 Sep 8;2(3):100804.            | Emory University                                                                                                                                                                                                                                                                                                                                                                                | Primary               |
| Pan-cancer analysis of pathway-based gene expression pattern at the individual level reveals biomarkers of clinical prognosis                       | <a href="https://www.sciencedirect.com/science/article/pii/S2667237521000989">https://www.sciencedirect.com/science/article/pii/S2667237521000989</a> | Cell Rep Methods. 2021 Aug 23;1(4):100050.      | Emory University                                                                                                                                                                                                                                                                                                                                                                                | Primary               |
| SMAD4 represses FOSL1 expression and pancreatic cancer metastatic colonization                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/34320363/">https://pubmed.ncbi.nlm.nih.gov/34320363/</a>                                                     | Cell Rep. 2021 Jul 27;36(4):109443.             | Dana-Farber Cancer Institute                                                                                                                                                                                                                                                                                                                                                                    | Primary               |
| Discovery of the first chemical tools to regulate MKK3-mediated MYC activation in cancer                                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/34333394/">https://pubmed.ncbi.nlm.nih.gov/34333394/</a>                                                     | Bioorg Med Chem. 2021 Jul 22;45:116324.         | Emory University                                                                                                                                                                                                                                                                                                                                                                                | Primary               |
| Uncoupling of gene expression from copy number presents therapeutic opportunities in aneuploid cancers                                              | <a href="https://www.sciencedirect.com/science/article/pii/S2666379121001981">https://www.sciencedirect.com/science/article/pii/S2666379121001981</a> | Cell Reports Medicine. 2021 Jul 20;2(7):100349. | Oregon Health and Science University (2)                                                                                                                                                                                                                                                                                                                                                        | Primary               |
| Haplotype-resolved germline and somatic alterations in renal medullary carcinomas                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/34261517/">https://pubmed.ncbi.nlm.nih.gov/34261517/</a>                                                     | Genome Med. 2021 Jul 14;13(1):114.              | Dana-Farber Cancer Institute                                                                                                                                                                                                                                                                                                                                                                    | Primary               |
| Targeting KRAS4A splicing through the RBM39/DCAF15 pathway inhibits cancer stem cells                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/34257283/">https://pubmed.ncbi.nlm.nih.gov/34257283/</a>                                                     | Nat Commun. 2021 Jul 13;12(1):4288.             | University of California San Francisco (2)                                                                                                                                                                                                                                                                                                                                                      | Primary               |
| A CRISPR/Cas9-Engineered ARID1A-Deficient Human Gastric Cancer Organoid Model Reveals Essential and Nonessential Modes of Oncogenic Transformation* | <a href="https://pubmed.ncbi.nlm.nih.gov/33451982/">https://pubmed.ncbi.nlm.nih.gov/33451982/</a>                                                     | Cancer Discov. 2021 Jun;11(6):1562-1581.        | Columbia University, Emory University, Stanford University                                                                                                                                                                                                                                                                                                                                      | Collaboration         |
| Deep immune profiling reveals targetable mechanisms of immune evasion in immune checkpoint inhibitor-refractory glioblastoma                        | <a href="https://pubmed.ncbi.nlm.nih.gov/34083417/">https://pubmed.ncbi.nlm.nih.gov/34083417/</a>                                                     | J Immunother Cancer. 2021 Jun;9(6):e002181.     | University of California San Francisco (2)                                                                                                                                                                                                                                                                                                                                                      | Primary               |
| Single-cell protein activity analysis identifies recurrence-associated renal tumor macrophages                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/34019793/">https://pubmed.ncbi.nlm.nih.gov/34019793/</a>                                                     | Cell. 2021 May 27;184(11):2988-3005.e16.        | Columbia University                                                                                                                                                                                                                                                                                                                                                                             | Primary               |
| Hypomorph mutation-directed small-molecule protein-protein interaction inducers to restore mutant SMAD4-suppressed TGF- $\beta$ signaling           | <a href="https://pubmed.ncbi.nlm.nih.gov/33326750/">https://pubmed.ncbi.nlm.nih.gov/33326750/</a>                                                     | Cell Chem Biol. 2021 May 20;28(5):636-647.e5.   | Emory University                                                                                                                                                                                                                                                                                                                                                                                | Primary               |
| The Panorama of Cancer Genetics                                                                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/33999839/">https://pubmed.ncbi.nlm.nih.gov/33999839/</a>                                                     | Cancer Res. 2021 May 15;81(10):2586-2587.       | Johns Hopkins University                                                                                                                                                                                                                                                                                                                                                                        | Review                |
| DNA methylation epitypes highlight underlying developmental and disease pathways in acute myeloid leukemia                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/33707228/">https://pubmed.ncbi.nlm.nih.gov/33707228/</a>                                                     | Genome Res. 2021 Mar 11;gr.269233.120.          | Oregon Health and Science University (1)                                                                                                                                                                                                                                                                                                                                                        | Primary               |
| Targeting BET proteins BRD2 and BRD3 in combination with PI3K-AKT inhibition as a therapeutic strategy for ovarian clear cell carcinoma             | <a href="https://pubmed.ncbi.nlm.nih.gov/33509905/">https://pubmed.ncbi.nlm.nih.gov/33509905/</a>                                                     | Mol Cancer Ther. 2021 Apr;20(4):691-703.        | Fred Hutchinson Cancer Research Center (1)                                                                                                                                                                                                                                                                                                                                                      | Primary               |
| An expanded universe of cancer targets*                                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/33667368/">https://pubmed.ncbi.nlm.nih.gov/33667368/</a>                                                     | Cell. 2021 Mar 4;184(5):1142-1155.              | Broad Institute, Columbia University, Dana-Farber Cancer Institute, Emory University, Fred Hutchinson Cancer Research Center (1), Johns Hopkins University, Oregon Health and Science University (1), Oregon Health and Science University (2), Stanford University, University of California San Diego, University of California San Francisco (1), University of California San Francisco (2) | Collaboration, Review |
| YAP1 Expression in SCLC Defines a Distinct Subtype With T-cell-Inflamed Phenotype                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/33248321/">https://pubmed.ncbi.nlm.nih.gov/33248321/</a>                                                     | J Thorac Oncol. 2021 Mar;16(3):464-476.         | Emory University                                                                                                                                                                                                                                                                                                                                                                                | Primary               |

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| MEK inhibition remodels the immune landscape of mutant KRAS tumors to overcome resistance to PARP and immune checkpoint inhibitors | <a href="https://pubmed.ncbi.nlm.nih.gov/33589518/">https://pubmed.ncbi.nlm.nih.gov/33589518/</a>               | Cancer Res. 2021 Feb 15;canres.2370.2020.      | Oregon Health and Science University (2)   | Primary         |
| Predicting cell health phenotypes using image-based morphology profiling                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/33534641/">https://pubmed.ncbi.nlm.nih.gov/33534641/</a>               | Mol Biol Cell. 2021 Feb 3;mbcE20120784.        | Dana-Farber Cancer Institute               | Primary         |
| Oncoprotein-specific molecular interaction maps (SigMaps) for cancer network analyses                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/32929263/">https://pubmed.ncbi.nlm.nih.gov/32929263/</a>               | Nat Biotechnol . 2021 Feb;39(2):215-224.       | Columbia University                        | Primary         |
| Hormonal modulation of ESR1 mutant metastasis                                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/33323970/">https://pubmed.ncbi.nlm.nih.gov/33323970/</a>               | Oncogene. 2021 Feb;40(5):997-1011.             | Oregon Health and Science University (2)   | Primary         |
| Protein Signature Predicts Response to Neoadjuvant Treatment With Chemotherapy and Bevacizumab in HER2-Negative Breast Cancers     | <a href="https://ascopubs.org/doi/abs/10.1200/PO.20.00086">https://ascopubs.org/doi/abs/10.1200/PO.20.00086</a> | JCO Precision Oncology. 2021 Jan 28;5:286-306. | Oregon Health and Science University (2)   | Primary         |
| A modular master regulator landscape controls cancer transcriptional identity                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/33434495/">https://pubmed.ncbi.nlm.nih.gov/33434495/</a>               | Cell. 2021 Jan 21;184(2):334-351.e20.          | Columbia University                        | Primary         |
| Targeted brachyury degradation disrupts a highly specific autoregulatory program controlling chordoma cell identity                | <a href="https://pubmed.ncbi.nlm.nih.gov/33521702/">https://pubmed.ncbi.nlm.nih.gov/33521702/</a>               | Cell Rep Med. 2021 Jan 19;2(1):100188.         | Broad Institute                            | Primary         |
| Synthetic Lethal Interaction between the ESCRT Paralog Enzymes VPS4A and VPS4B in Cancers Harboring Loss of Chromosome 18q or 16q  | <a href="https://pubmed.ncbi.nlm.nih.gov/33326793/">https://pubmed.ncbi.nlm.nih.gov/33326793/</a>               | Cell Rep. 2020 Dec 15;33(11):108493.           | Dana-Farber Cancer Institute               | Primary         |
| Large-Scale Characterization of Drug Responses of Clinically Relevant Proteins in Cancer Cell Lines                                | <a href="https://pubmed.ncbi.nlm.nih.gov/33157050/">https://pubmed.ncbi.nlm.nih.gov/33157050/</a>               | Cancer Cell. 2020 Dec 14;38(6):829-843.e4.     | Oregon Health and Science University (2)   | Primary         |
| A meta-learning approach for genomic survival analysis                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/33311484/">https://pubmed.ncbi.nlm.nih.gov/33311484/</a>               | Nat Commun. 2020 Dec 11;11(1):6350.            | Stanford University                        | Primary         |
| Progenitor identification and SARS-CoV-2 infection in human distal lung organoids                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/33238290/">https://pubmed.ncbi.nlm.nih.gov/33238290/</a>               | Nature. 2020 Dec;588(7839):670-675.            | Stanford University                        | Primary         |
| N-quinoline-benzenesulfonamide derivatives exert potent anti-lymphoma effect by targeting NF-κB                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/33354662/">https://pubmed.ncbi.nlm.nih.gov/33354662/</a>               | iScience. 2020 Nov 30;23(12):101884.           | Columbia University                        | Primary         |
| Functional precision medicine identifies new therapeutic candidates for medulloblastoma                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/33046443/">https://pubmed.ncbi.nlm.nih.gov/33046443/</a>               | Cancer Res. 2020 Oct 12;canres.1655.2020.      | University of California San Diego         | Primary         |
| Inhibition of the ATM/Chk2 axis promotes cGAS/STING signaling in ARID1A-deficient tumors                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/33016929/">https://pubmed.ncbi.nlm.nih.gov/33016929/</a>               | J Clin Invest. 2020 Oct 5;130445.              | Oregon Health and Science University (2)   | Primary         |
| BET, SRC, and BCL2 family inhibitors are synergistic drug combinations with PARP inhibitors in ovarian cancer                      | <a href="https://pubmed.ncbi.nlm.nih.gov/32927276/">https://pubmed.ncbi.nlm.nih.gov/32927276/</a>               | EBioMedicine. 2020 Oct;60:102988.              | Fred Hutchinson Cancer Research Center (1) | Primary         |
| Development of a DNA Methylation-Based Diagnostic Signature to Distinguish Benign Oncocytoma From Renal Cell Carcinoma             | <a href="https://pubmed.ncbi.nlm.nih.gov/33015531/">https://pubmed.ncbi.nlm.nih.gov/33015531/</a>               | JCO Precis Oncol . 2020 Sep 28;4:PO.20.00015.  | Stanford University                        | Primary         |
| Therapy-Induced Evolution of Human Lung Cancer Revealed by Single-Cell RNA Sequencing                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/32822576/">https://pubmed.ncbi.nlm.nih.gov/32822576/</a>               | Cell. 2020 Sep 3;182(5):1232-1251.e22.         | University of California San Francisco (1) | Primary         |
| High expression of MKK3 is associated with worse clinical outcomes in African American breast cancer patients                      | <a href="https://pubmed.ncbi.nlm.nih.gov/32873298/">https://pubmed.ncbi.nlm.nih.gov/32873298/</a>               | J Transl Med. 2020 Sep 1;18(1):334.            | Emory University                           | Primary         |
| Plasticity of ether lipids promotes ferroptosis susceptibility and evasion                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/32939090/">https://pubmed.ncbi.nlm.nih.gov/32939090/</a>               | Nature. 2020 Sep;585(7826):603-608.            | Broad Institute                            | Primary         |
| The NK cell-cancer cycle: advances and new challenges in NK cell-based immunotherapies.                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/32690952/">https://pubmed.ncbi.nlm.nih.gov/32690952/</a>               | Nat Immunol. 2020 Aug;21(8):835-847.           | University of California San Francisco (2) | Primary, Review |
| Genomic data imputation with variational auto-encoders                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/32761097/">https://pubmed.ncbi.nlm.nih.gov/32761097/</a>               | Gigascience. 2020 Aug 1;9(8):giaa082.          | Stanford University                        | Primary         |
| Organotypic culture assays for murine and human primary and metastatic-site tumors                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/32690957/">https://pubmed.ncbi.nlm.nih.gov/32690957/</a>               | Nat Protoc. 2020 Aug;15(8):2413-2442.          | Johns Hopkins University                   | Primary         |
| Organoid Models of Tumor Immunology.                                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/32654925/">https://pubmed.ncbi.nlm.nih.gov/32654925/</a>               | Trends Immunol. 2020 Aug;41(8):652-664.        | Stanford University                        | Primary, Review |

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|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|-----------------|
| Development of a miniaturized 3D organoid culture platform for ultra-high-throughput screening*                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/32678871/">https://pubmed.ncbi.nlm.nih.gov/32678871/</a> | J Mol Cell Biol. 2020 Aug 1;12(8):630-643.       | Emory University, Stanford University      | Collaboration   |
| Tissue- and development-stage-specific mRNA and heterogeneous CNV signatures of human ribosomal proteins in normal and cancer samples                | <a href="https://pubmed.ncbi.nlm.nih.gov/32525984/">https://pubmed.ncbi.nlm.nih.gov/32525984/</a> | Nucleic Acids Res. 2020 Jul 27;48(13):7079-7098. | University of California San Diego         | Primary         |
| Multi-faceted epigenetic dysregulation of gene expression promotes esophageal squamous cell carcinoma                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/32699215/">https://pubmed.ncbi.nlm.nih.gov/32699215/</a> | Nat Commun. 2020 Jul 22;11(1):3675.              | University of California San Francisco (1) | Primary         |
| The Cancer Dependency Map enables drug mechanism-of-action investigations.                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/32696566/">https://pubmed.ncbi.nlm.nih.gov/32696566/</a> | Mol Syst Biol. 2020 Jul;16(7):e9757.             | Dana-Farber Cancer Institute               | Primary, Review |
| Systems approach to rational combination therapy: PARP inhibitors                                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/32379297/">https://pubmed.ncbi.nlm.nih.gov/32379297/</a> | Biochem Soc Trans. 2020 Jun 30;48(3):1101-1108.  | Oregon Health and Science University (2)   | Primary, Review |
| Discovery and characterization of targetable NTRK point mutations in hematologic neoplasms                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/32315394/">https://pubmed.ncbi.nlm.nih.gov/32315394/</a> | Blood. 2020 Jun 11;135(24):2159-2170.            | Oregon Health and Science University (1)   | Primary         |
| Discovery of a selective inhibitor of doublecortin like kinase 1.                                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/32251410/">https://pubmed.ncbi.nlm.nih.gov/32251410/</a> | Nat Chem Biol. 2020 Jun;16(6):635-643.           | Dana-Farber Cancer Institute               | Primary         |
| Integration of multiple biological contexts reveals principles of synthetic lethality that affect reproducibility*                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/32398776/">https://pubmed.ncbi.nlm.nih.gov/32398776/</a> | Nat Commun. 2020 May 12;11(1):2375.              | University of California San Francisco (1) | Collaboration   |
| p85 $\beta$ regulates autophagic degradation of AXL to activate oncogenic signaling                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/32385243/">https://pubmed.ncbi.nlm.nih.gov/32385243/</a> | Nat Commun. 2020 May 8;11(1):2291.               | Oregon Health and Science University (2)   | Primary         |
| ERBB2/HER2 mutations are transforming and therapeutically targetable in leukemia                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/32366937/">https://pubmed.ncbi.nlm.nih.gov/32366937/</a> | 2020 May 4. doi: 10.1038/s41375-020-0844-7.      | Oregon Health and Science University (1)   | Primary         |
| Personalized Network Modeling of the Pan-Cancer Patient and Cell Line Interactome                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/32374631/">https://pubmed.ncbi.nlm.nih.gov/32374631/</a> | JCO Clin Cancer Inform. 2020 May;4:399-411.      | Oregon Health and Science University (2)   | Primary         |
| Progress in Understanding Ferroptosis and Challenges in Its Targeting for Therapeutic Benefit                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/32302583/">https://pubmed.ncbi.nlm.nih.gov/32302583/</a> | Cell Chem Biol. 2020 Apr 16;27(4):463-471.       | Broad Institute                            | Review          |
| Sex-associated molecular differences for cancer immunotherapy                                                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/32286310/">https://pubmed.ncbi.nlm.nih.gov/32286310/</a> | Nat Commun. 2020 Apr 14;11(1):1779.              | Oregon Health and Science University (2)   | Primary         |
| Molecular Analysis of Clinically Defined Subsets of High-Grade Serous Ovarian Cancer.                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/32294438/">https://pubmed.ncbi.nlm.nih.gov/32294438/</a> | Cell Rep. 2020 Apr 14;31(2):107502.              | Oregon Health and Science University (2)   | Primary         |
| Predicting Cancer Cell Line Dependencies From the Protein Expression Data of Reverse-Phase Protein Arrays                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/32330068/">https://pubmed.ncbi.nlm.nih.gov/32330068/</a> | JCO Clin Cancer Inform. 2020 Apr;4:357-366.      | Oregon Health and Science University (2)   | Primary         |
| The JNK inhibitor AS602801 Synergizes with Enzalutamide to Kill Prostate Cancer Cells In Vitro and In Vivo and Inhibit Androgen Receptor Expression. | <a href="https://pubmed.ncbi.nlm.nih.gov/32199273/">https://pubmed.ncbi.nlm.nih.gov/32199273/</a> | Transl Oncol. 2020 Apr;13(4):100751.             | Emory University                           | Primary         |
| Subpopulation targeting of pyruvate dehydrogenase and GLUT1 decouples metabolic heterogeneity during collective cancer cell invasion.                | <a href="https://pubmed.ncbi.nlm.nih.gov/32210228/">https://pubmed.ncbi.nlm.nih.gov/32210228/</a> | Nat Commun. 2020 Mar 24;11(1):1533.              | Emory University                           | Primary         |
| Selective USP7 inhibition elicits cancer cell killing through a p53-dependent mechanism.                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/32210275/">https://pubmed.ncbi.nlm.nih.gov/32210275/</a> | Sci Rep. 2020 Mar 24;10(1):5324.                 | Dana-Farber Cancer Institute               | Primary         |
| Proteome Instability Is a Therapeutic Vulnerability in Mismatch Repair-Deficient Cancer.                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/32109374/">https://pubmed.ncbi.nlm.nih.gov/32109374/</a> | Cancer Cell. 2020 Mar 16;37(3):371-386.e12.      | Oregon Health and Science University (2)   | Primary         |
| Whole slide images reflect DNA methylation patterns of human tumors.                                                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/32194984/">https://pubmed.ncbi.nlm.nih.gov/32194984/</a> | NPJ Genom Med. 2020 Mar 10;5:11.                 | Stanford University                        | Primary         |
| Germline Features Associated with Immune Infiltration in Solid Tumors.                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/32130895/">https://pubmed.ncbi.nlm.nih.gov/32130895/</a> | Cell Rep. 2020 Mar 3;30(9):2900-2908.e4.         | Emory University                           | Primary         |
| Genomic and Phenotypic Characterization of a Broad Panel of Patient-Derived Xenografts Reflects the Diversity of Glioblastoma                        | <a href="https://pubmed.ncbi.nlm.nih.gov/31852831/">https://pubmed.ncbi.nlm.nih.gov/31852831/</a> | Clin Cancer Res. 2020 Mar 1;26(5):1094-1104.     | Columbia University                        | Primary         |

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| Titration gene expression using libraries of systematically attenuated CRISPR guide RNAs.                                                                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/31932729/">https://pubmed.ncbi.nlm.nih.gov/31932729/</a> | Nat Biotechnol. 2020 Mar;38(3):355-364.                  | University of California San Francisco (1)                                             | Primary         |
| Cytochrome P450 oxidoreductase contributes to phospholipid peroxidation in ferroptosis.                                                                                                                       | <a href="https://pubmed.ncbi.nlm.nih.gov/32080622/">https://pubmed.ncbi.nlm.nih.gov/32080622/</a> | Nat Chem Biol. 2020 Mar;16(3):302-309.                   | Broad Institute                                                                        | Primary         |
| Immuno-genomic landscape of osteosarcoma                                                                                                                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/32081846/">https://pubmed.ncbi.nlm.nih.gov/32081846/</a> | Nat Commun. 2020 Feb 21;11(1):1008.                      | Oregon Health and Science University (2)                                               | Primary         |
| Conversations on mutism: risk stratification for cerebellar mutism based on medulloblastoma subtype.                                                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/31792531/">https://pubmed.ncbi.nlm.nih.gov/31792531/</a> | Neuro Oncol. 2020 Feb 20;22(2):175-176.                  | University of California San Francisco (2)                                             | Primary, Review |
| Translating basic science discoveries into improved outcomes for glioblastoma.                                                                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/32060102/">https://pubmed.ncbi.nlm.nih.gov/32060102/</a> | Clin Cancer Res. 2020 Feb 14. pii: clincanres.3924.2019. | University of California San Francisco (2)                                             | Primary         |
| Single cell genomic characterization reveals the cellular reprogramming of the gastric tumor microenvironment.                                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/32060101/">https://pubmed.ncbi.nlm.nih.gov/32060101/</a> | Clin Cancer Res. 2020 Feb 14. pii: clincanres.3231.2019. | Stanford University                                                                    | Primary         |
| Pluripotent stem cell-derived NK cells with high-affinity non-cleavable CD16a mediate improved anti-tumor activity.                                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/31856277/">https://pubmed.ncbi.nlm.nih.gov/31856277/</a> | Blood. 2020 Feb 6;135(6):399-410.                        | University of California San Diego                                                     | Primary         |
| Pathway and network analysis of more than 2500 whole cancer genomes.                                                                                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/32024854/">https://pubmed.ncbi.nlm.nih.gov/32024854/</a> | Nat Commun. 2020 Feb 5;11(1):729.                        | Emory University                                                                       | Primary         |
| Results of an abbreviated phase II study of AKT inhibitor MK-2206 in the treatment of recurrent platinum-resistant high grade serous ovarian, fallopian tube, or primary peritoneal carcinoma (NCT 01283035). | <a href="https://pubmed.ncbi.nlm.nih.gov/32083163/">https://pubmed.ncbi.nlm.nih.gov/32083163/</a> | Gynecol Oncol Rep. 2020 Feb 3;32:100546.                 | Oregon Health and Science University (2)                                               | Primary         |
| PIK3CA variants selectively initiate brain hyperactivity during gliomagenesis.                                                                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/31996845/">https://pubmed.ncbi.nlm.nih.gov/31996845/</a> | Nature. 2020 Feb;578(7793):166-171.                      | Oregon Health and Science University (2)                                               | Primary         |
| Macrophage Syk-PI3K inhibits anti-tumor immunity: SRX3207, a novel dual Syk-PI3K inhibitory chemotype relieves tumor immunosuppression.                                                                       | <a href="https://pubmed.ncbi.nlm.nih.gov/31974273/">https://pubmed.ncbi.nlm.nih.gov/31974273/</a> | Mol Cancer Ther. 2020 Jan 23. pii: molcanther.0947.2019. | University of California San Diego                                                     | Primary         |
| Between-tumor and within-tumor heterogeneity in invasive potential.                                                                                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/31961880/">https://pubmed.ncbi.nlm.nih.gov/31961880/</a> | PLoS Comput Biol. 2020 Jan 21;16(1):e1007464.            | Johns Hopkins University                                                               | Primary         |
| Twist1-Induced Epithelial Dissemination Requires Prkd1 Signaling.                                                                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/31676574/">https://pubmed.ncbi.nlm.nih.gov/31676574/</a> | Cancer Res. 2020 Jan 15;80(2):204-218.                   | Johns Hopkins University                                                               | Primary         |
| Cannabinoids promote progression of HPV positive head and neck squamous cell carcinoma via p38 MAPK activation.                                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/31932491/">https://pubmed.ncbi.nlm.nih.gov/31932491/</a> | Clin Cancer Res. 2020 Jan 13. pii: clincanres.3301.2018. | University of California San Diego                                                     | Primary         |
| STRIPAK directs PP2A activity toward MAP4K4 to promote oncogenic transformation of human cells.*                                                                                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/31913126/">https://pubmed.ncbi.nlm.nih.gov/31913126/</a> | Elife. 2020 Jan 8;9. pii: e53003.                        | Dana-Farber Cancer Institute, University of California San Diego                       | Collaboration   |
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| Bacteria-to-Human Protein Networks Reveal Origins of Endogenous DNA Damage.                                                                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/30633903/">https://pubmed.ncbi.nlm.nih.gov/30633903/</a> | Cell. 2019 Jan 10;176(1-2):127-143.e24.                                       | Oregon Health and Science University (2)                             | Primary       |
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| Circulating tumor DNA analysis in patients with EGFR mutant lung cancer.                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/30631555/">https://pubmed.ncbi.nlm.nih.gov/30631555/</a>                                                     | J Thorac Dis. 2018 Nov;10(Suppl 33):S4061-S4064.                    | University of California San Francisco (1)                                              | Primary       |
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| BRD4 facilitates replication stress-induced DNA damage response.                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/29636547/">https://pubmed.ncbi.nlm.nih.gov/29636547/</a>                                                     | Oncogene. 2018 Jul;37(28):3763-3777.                         | University of Texas MD Anderson Cancer Center                    | Primary       |
| Genome-scale analysis identifies paralog lethality as a vulnerability of chromosome 1p loss in cancer.*                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/29955178/">https://pubmed.ncbi.nlm.nih.gov/29955178/</a>                                                     | Nat Genet. 2018 Jul;50(7):937-943.                           | Dana-Farber Cancer Institute, University of California San Diego | Collaboration |
| Human iPSC-Derived Natural Killer Cells Engineered with Chimeric Antigen Receptors Enhance Anti-tumor Activity.                          | <a href="https://www.sciencedirect.com/science/article/pii/S1934590918302844">https://www.sciencedirect.com/science/article/pii/S1934590918302844</a> | Cell Stem Cell. 2018 Jun 28;23:1-12.                         | University of California San Diego                               | Primary       |
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| Interrogation of Mammalian Protein Complex Structure, Function, and Membership Using Genome-Scale Fitness Screens.                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/29778836/">https://pubmed.ncbi.nlm.nih.gov/29778836/</a> | Cell Syst. 2018 May 23;6(5):555-568.e7.                          | Dana-Farber Cancer Institute                    | Primary |
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| Systematic Evaluation of Molecular Networks for Discovery of Disease Genes.                                                                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/29605183/">https://pubmed.ncbi.nlm.nih.gov/29605183/</a> | Cell Syst. 2018 Apr 25;6(4):484-495.e5.                          | University of California San Diego              | Primary |
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| A Quantitative Chemotherapy Genetic Interaction Map Reveals Factors Associated with PARP Inhibitor Resistance.                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/29669295/">https://pubmed.ncbi.nlm.nih.gov/29669295/</a> | Cell Rep. 2018 Apr 17;23(3):918-929.                             | University of California San Francisco (1)      | Primary |
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| Analyzing Somatic Genome Rearrangements in Human Cancers by Using Whole-Exome Sequencing                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/27153396/">https://pubmed.ncbi.nlm.nih.gov/27153396/</a>           |                                                      | University of Texas MD Anderson Cancer Center   | Primary |
| Systematic Functional Interrogation of Rare Cancer Variants Identifies Oncogenic Alleles                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/27147599/">https://pubmed.ncbi.nlm.nih.gov/27147599/</a>           | Cancer Discov. 2016 Jul;6(7):714-26.                 | Dana-Farber Cancer Institute                    | Primary |
| Computational discovery of pathway-level genetic vulnerabilities in non-small-cell lung cancer                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/26755624/">https://pubmed.ncbi.nlm.nih.gov/26755624/</a>           |                                                      | University of Texas Southwestern Medical Center | Primary |
| Characterizing genomic alterations in cancer by complementary functional associations                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/27088724/">https://pubmed.ncbi.nlm.nih.gov/27088724/</a>           |                                                      | Dana-Farber Cancer Institute                    | Primary |
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| Dcl1 Defines Quiescent Pancreatic Progenitors that Promote Injury-Induced Regeneration and Tumorigenesis                          | <a href="https://pubmed.ncbi.nlm.nih.gov/27058937/">https://pubmed.ncbi.nlm.nih.gov/27058937/</a>           |                                                      | Columbia University                             | Primary |
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| MTAP deletion confers enhanced dependency on the PRMT5 arginine methyltransferase in cancer cells                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/26912360/">https://pubmed.ncbi.nlm.nih.gov/26912360/</a>           |                                                      | Dana-Farber Cancer Institute                    | Primary |
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| Identification of an "Exceptional Responder" Cell Line to MEK1 Inhibition: Clinical Implications for MEK-Targeted Therapy         | <a href="https://pubmed.ncbi.nlm.nih.gov/26582713/">https://pubmed.ncbi.nlm.nih.gov/26582713/</a>           | Mol Cancer Res. 2016 Feb;14(2):207-15.               | Dana-Farber Cancer Institute                    | Primary |

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| Identification of cancer-cytotoxic modulators of PDE3A by predictive chemogenomics                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/26656089/">https://pubmed.ncbi.nlm.nih.gov/26656089/</a>           |                                                                                                      | Broad Institute                                 | Primary |
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| Functional annotation of rare gene aberration drivers of pancreatic cancer                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/26806015/">https://pubmed.ncbi.nlm.nih.gov/26806015/</a>           |                                                                                                      | University of Texas MD Anderson Cancer Center   | Primary |
| ScreenBEAM: a novel meta-analysis algorithm for functional genomics screens via Bayesian hierarchical modeling                            | <a href="https://pubmed.ncbi.nlm.nih.gov/26415723/">https://pubmed.ncbi.nlm.nih.gov/26415723/</a>           |                                                                                                      | Columbia University                             | Primary |
| Substantial contribution of extrinsic risk factors to cancer development                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/26675728/">https://pubmed.ncbi.nlm.nih.gov/26675728/</a>           |                                                                                                      | Cold Spring Harbor Laboratory                   | Primary |
| Functional Genomic Characterization of Cancer Genomes.                                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/27815544/">https://pubmed.ncbi.nlm.nih.gov/27815544/</a>           | Cold Spring Harb Symp Quant Biol. 2016;81:237-246. doi: 10.1101/sqb.2016.81.031070. Epub 2016 Nov 4. | Dana-Farber Cancer Institute                    | Primary |
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| SOX4 is essential for prostate tumorigenesis initiated by PTEN ablation                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/26701805/">https://pubmed.ncbi.nlm.nih.gov/26701805/</a>           |                                                                                                      | Emory University                                | Primary |
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| A Novel Inhibitor Of Topoisomerase I is Selectively Toxic For A Subset of Non-Small Cell Lung Cancer Cell Lines                           | <a href="https://pubmed.ncbi.nlm.nih.gov/26668189/">https://pubmed.ncbi.nlm.nih.gov/26668189/</a>           |                                                                                                      | University of Texas Southwestern Medical Center | Primary |
| Dual Roles of RNF2 in Melanoma Progression                                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/26450788/">https://pubmed.ncbi.nlm.nih.gov/26450788/</a>           |                                                                                                      | University of Texas MD Anderson Cancer Center   | Primary |
| Identification of Variant-Specific Functions of PIK3CA by Rapid Phenotyping of Rare Mutations                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/26627007/">https://pubmed.ncbi.nlm.nih.gov/26627007/</a>           |                                                                                                      | University of Texas MD Anderson Cancer Center   | Primary |
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| Regulation of the PI3K pathway through a p85α monomer–homodimer equilibrium                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/26222500/">https://pubmed.ncbi.nlm.nih.gov/26222500/</a> | eLife. 2015 Jul 29;4:e06866                          | University of Texas MD Anderson Cancer Center   | Primary |
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| Genomic profiling of a Hepatocyte growth factor-dependent signature for MET-targeted therapy in glioblastoma.       | <a href="https://pubmed.ncbi.nlm.nih.gov/26381735/">https://pubmed.ncbi.nlm.nih.gov/26381735/</a> | J Transl Med. 2015 Sep 17;13:306                     | Translational Genomics Research Institute       | Primary |
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| Identifying candidate drivers of alcohol dependence-induced excessive drinking by assembly and interrogation of brain-specific regulatory networks. | <a href="https://pubmed.ncbi.nlm.nih.gov/25886852/">https://pubmed.ncbi.nlm.nih.gov/25886852/</a>           | Genome Biol. 2015 Feb 2;16:68.                                                                    | Columbia University                                         | Primary       |
| Linking tumor mutations to drug responses via a quantitative chemical-genetic interaction map.*                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/25501949/">https://pubmed.ncbi.nlm.nih.gov/25501949/</a>           | Cancer Discov. 2015 Feb;5(2):154-67.                                                              | Broad Institute, University of California San Francisco (1) | Collaboration |
| The genetics of splicing in neuroblastoma                                                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/25637275/">https://pubmed.ncbi.nlm.nih.gov/25637275/</a>           | Cancer Discov. 2015 Jan 30. pii: CD-14-0892.                                                      | University of California San Francisco (2)                  | Primary       |

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| Using the canary genome to decipher the evolution of hormone-sensitive gene regulation in seasonal singing birds.                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/25631560/">https://pubmed.ncbi.nlm.nih.gov/25631560/</a> | Genome Biol. 2015 Jan 29;16:19                     | Stanford University                                                                    | Primary       |
| Pancancer analysis of DNA methylation-driven genes using MethylMix                                                                                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/25631659/">https://pubmed.ncbi.nlm.nih.gov/25631659/</a> | Genome Biol. 2015 Jan 29;16(1):17                  | Stanford University                                                                    | Primary       |
| Clinical actionability enhanced through deep targeted sequencing of solid tumors.                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/25626406/">https://pubmed.ncbi.nlm.nih.gov/25626406/</a> | Clin Chem. 2015 Mar;61(3):544-53                   | University of Texas MD Anderson Cancer Center                                          | Primary       |
| The mutational landscapes of genetic and chemical models of Kras-driven lung cancer.*                                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/25363767/">https://pubmed.ncbi.nlm.nih.gov/25363767/</a> | Nature. 2015 Jan 22;517(7535):489-92.              | Fred Hutchinson Cancer Research Center (1), University of California San Francisco (2) | Collaboration |
| MethylMix: an R package for identifying DNA methylation driven genes                                                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/25609794/">https://pubmed.ncbi.nlm.nih.gov/25609794/</a> |                                                    | Stanford University                                                                    | Primary       |
| Organoid models of human and mouse ductal pancreatic cancer                                                                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/25557080/">https://pubmed.ncbi.nlm.nih.gov/25557080/</a> | Cell. 2015 Jan 15;160(1-2):324-38. doi: 10.        | Cold Spring Harbor Laboratory                                                          | Primary       |
| Thiasporines A-C, thiazine and thiazole derivatives from a marine-derived Actinomycetospira chlora.                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/25584783/">https://pubmed.ncbi.nlm.nih.gov/25584783/</a> | J Nat Prod. 2015 Mar 27;78(3):548-51               | University of Texas Southwestern Medical Center                                        | Primary       |
| Stepwise group sparse regression (SGSR): gene-set-based pharmacogenomic predictive models with stepwise selection of functional priors                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/25592566/">https://pubmed.ncbi.nlm.nih.gov/25592566/</a> | Pac Symp Biocomput. 2015:32-43.                    | Fred Hutchinson Cancer Research Center (1)                                             | Primary       |
| An in-tumor genetic screen reveals that the BET bromodomain protein, BRD4, is a potential therapeutic target in ovarian carcinoma                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/25535366/">https://pubmed.ncbi.nlm.nih.gov/25535366/</a> | Proc Natl Acad Sci U S A. 2015 Jan 6;112(1):232-7. | Dana-Farber Cancer Institute                                                           | Primary       |
| Alternative splicing in cancer: implications for biology and therapy.                                                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/24441040/">https://pubmed.ncbi.nlm.nih.gov/24441040/</a> | Oncogene. 2015 Jan 2;34(1):1-14                    | University of California San Francisco (2)                                             | Review        |
| Systematic assessment of analytical methods for drug sensitivity prediction from cancer cell line data                                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/24297534/">https://pubmed.ncbi.nlm.nih.gov/24297534/</a> | Pac Symp Biocomput. 2014:63-74.                    | Fred Hutchinson Cancer Research Center (1)                                             | Primary       |
| The Stream algorithm: computationally efficient ridge-regression via Bayesian model averaging, and applications to pharmacogenomic prediction of cancer cell line sensitivity | <a href="https://pubmed.ncbi.nlm.nih.gov/24297531/">https://pubmed.ncbi.nlm.nih.gov/24297531/</a> | Pac Symp Biocomput. 2014:27-38                     | Fred Hutchinson Cancer Research Center (1)                                             | Primary       |
| Glial Progenitors as Targets for Transformation in Glioma.                                                                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/24889528/">https://pubmed.ncbi.nlm.nih.gov/24889528/</a> | Adv Cancer Res. 2014;121:1-65                      | University of California San Francisco (2)                                             | Review        |
| Radiotherapy followed by aurora kinase inhibition targets tumor-propagating cells in human glioblastoma                                                                       | <a href="https://pubmed.ncbi.nlm.nih.gov/25522764/">https://pubmed.ncbi.nlm.nih.gov/25522764/</a> |                                                    | University of California San Francisco (2)                                             | Primary       |
| Genetic mutation of p53 and suppression of the miR-17 92 cluster are synthetic lethal in non-small cell lung cancer due to upregulation of vitamin D Signaling                | <a href="https://pubmed.ncbi.nlm.nih.gov/25519225/">https://pubmed.ncbi.nlm.nih.gov/25519225/</a> |                                                    | University of Texas Southwestern Medical Center                                        | Primary       |
| CaMoDi: a new method for cancer module discovery                                                                                                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/25560933/">https://pubmed.ncbi.nlm.nih.gov/25560933/</a> | BMC Genomics. 2014;15 Suppl 10:S8                  | Stanford University                                                                    | Primary       |
| Integrating phenotypic small-molecule profiling and human genetics: the next phase in drug discovery                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/25498789/">https://pubmed.ncbi.nlm.nih.gov/25498789/</a> |                                                    | Broad Institute                                                                        | Review        |
| An integrative analysis reveals functional targets of GATA6 transcriptional regulation in gastric cancer                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24317510/">https://pubmed.ncbi.nlm.nih.gov/24317510/</a> |                                                    | Dana-Farber Cancer Institute                                                           | Primary       |
| A community computational challenge to predict the activity of pairs of compounds                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/25419740/">https://pubmed.ncbi.nlm.nih.gov/25419740/</a> | Nat Biotechnol. 2014 Dec;32(12):1213-22            | Columbia University                                                                    | Primary       |
| MAX-ing out MYC: a novel small molecule inhibitor against MYC-dependent tumors                                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/25430851/">https://pubmed.ncbi.nlm.nih.gov/25430851/</a> |                                                    | Cold Spring Harbor Laboratory                                                          | Review        |
| Significant distinct branches of hierarchical trees: a framework for statistical analysis and applications to biological data                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/25409689/">https://pubmed.ncbi.nlm.nih.gov/25409689/</a> | BMC Genomics. 2014 Nov 19;15:1000.                 | Cold Spring Harbor Laboratory                                                          | Primary       |
| Somatic mutations of PIK3R1 promote gliomagenesis.                                                                                                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/23166678/">https://pubmed.ncbi.nlm.nih.gov/23166678/</a> | PLoS One. 2012;7(11):e49466                        | University of Texas MD Anderson Cancer Center                                          | Primary       |

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| RNF43 is frequently mutated in colorectal and endometrial cancers.                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/25344691/">https://pubmed.ncbi.nlm.nih.gov/25344691/</a>     | Nat Genet. 2014 Dec;46(12):1264-6                                              | Dana-Farber Cancer Institute                                              | Primary       |
| Genome-scale CRISPR-mediated control of gene repression and activation                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/25307932/">https://pubmed.ncbi.nlm.nih.gov/25307932/</a>     | Cell. 2014 Oct 8. pii: S0092-8674(14)01178-7. doi: 10.1016/j.cell.2014.09.029. | University of California San Francisco (1)                                | Primary       |
| Expression quantitative trait loci and receptor pharmacology implicate Arg1 and the GABA-A receptor as therapeutic targets in neuroblastoma | <a href="https://pubmed.ncbi.nlm.nih.gov/25437558/">https://pubmed.ncbi.nlm.nih.gov/25437558/</a>     |                                                                                | University of California San Francisco (2)                                | Primary       |
| NAMPT is the cellular target of STF-31-like small-molecule probes                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/25058389/">https://pubmed.ncbi.nlm.nih.gov/25058389/</a>     | ACS Chem Biol. 2014 Oct 17;9(10):2247-54.                                      | Broad Institute                                                           | Primary       |
| ASCL1 is a lineage oncogene providing therapeutic targets for high-grade neuroendocrine lung cancers                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/25267614/">https://pubmed.ncbi.nlm.nih.gov/25267614/</a>     | 2014 Oct 14;111(41):14788-93.                                                  | University of Texas Southwestern Medical Center                           | Primary       |
| Inferring protein modulation from gene expression data using conditional mutual information                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/25314274/">https://pubmed.ncbi.nlm.nih.gov/25314274/</a>     | PLoS One. 2014 Oct 14;9(10):e109569                                            | Columbia University                                                       | Primary       |
| Milestones in skin carcinogenesis: the biology of multistage carcinogenesis.                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/25302469/">https://pubmed.ncbi.nlm.nih.gov/25302469/</a>     | J Invest Dermatol. 2014 Oct 10;134(e1):E2-7                                    | University of California San Francisco (2)                                | Review        |
| A protein-tagging system for signal amplification in gene expression and fluorescence imaging                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/25307933/">https://pubmed.ncbi.nlm.nih.gov/25307933/</a>     |                                                                                | University of California San Francisco (1)                                | Primary       |
| Identification of causal genetic drivers of human disease through systems-level analysis of regulatory networks.*                           | <a href="https://pubmed.ncbi.nlm.nih.gov/25303533/">https://pubmed.ncbi.nlm.nih.gov/25303533/</a>     | Cell. 2014 Oct 9;159(2):402-14.                                                | Columbia University, Translational Genomics Research Institute            | Collaboration |
| Naturally occurring neomorphic PIK3R1 mutations activate the MAPK pathway, dictating therapeutic response to MAPK pathway inhibitors        | <a href="https://pubmed.ncbi.nlm.nih.gov/25284480/">https://pubmed.ncbi.nlm.nih.gov/25284480/</a>     |                                                                                | University of Texas MD Anderson Cancer Center                             | Primary       |
| In vivo RNAi screening identifies a mechanism of sorafenib resistance in liver cancer.                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/25216638/">https://pubmed.ncbi.nlm.nih.gov/25216638/</a>     | Nat Med. 2014 Oct;20(10):1138-46.                                              | Cold Spring Harbor Laboratory                                             | Primary       |
| Development of siRNA payloads to target KRAS-mutant cancer.*                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/25100204/">https://pubmed.ncbi.nlm.nih.gov/25100204/</a>     | Cancer Discov. 2014 Oct;4(10):1182-1197.                                       | Cold Spring Harbor Laboratory, University of California San Francisco (1) | Collaboration |
| Parallel genome-scale loss of function screens in 216 cancer cell lines for the identification of context-specific genetic dependencies*    | <a href="https://www.nature.com/articles/sdata201435">https://www.nature.com/articles/sdata201435</a> |                                                                                | Dana-Farber Cancer Institute                                              | Primary       |
| Inducible in vivo silencing of Brd4 identifies potential toxicities of sustained BET protein inhibition                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/25242322/">https://pubmed.ncbi.nlm.nih.gov/25242322/</a>     | Cell Rep. 2014 Sep 25;8(6):1919-29.                                            | Cold Spring Harbor Laboratory                                             | Primary       |
| Drugging MYCN through an allosteric transition in Aurora kinase A                                                                           | <a href="https://pubmed.ncbi.nlm.nih.gov/25175806/">https://pubmed.ncbi.nlm.nih.gov/25175806/</a>     | Cancer Cell. 2014 Sep 8;26(3):414-27                                           | University of California San Francisco (2)                                | Primary       |
| Drug susceptibility prediction against a panel of drugs using kernelized Bayesian multitask learning                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/25161247/">https://pubmed.ncbi.nlm.nih.gov/25161247/</a>     | Bioinformatics. 2014 Sep 1;30(17):i556-63.                                     | Fred Hutchinson Cancer Research Center (1)                                | Primary       |
| Metastatic tumor evolution and organoid modeling implicate TGFBR2 as a cancer driver in diffuse gastric cancer                              | <a href="https://pubmed.ncbi.nlm.nih.gov/25315765/">https://pubmed.ncbi.nlm.nih.gov/25315765/</a>     |                                                                                | Stanford University                                                       | Primary       |
| Oncogene mimicry as a mechanism of primary resistance to BRAF inhibitors                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/25127139/">https://pubmed.ncbi.nlm.nih.gov/25127139/</a>     | Cell Rep. 2014 Aug 21;8(4):1037-48                                             | University of California San Francisco (1)                                | Primary       |
| Circulating tumor cells from 4D model have less integrin beta 4 expression                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/25234746/">https://pubmed.ncbi.nlm.nih.gov/25234746/</a>     | J Surg Res. 2015 Feb;193(2):745-53.                                            | University of Texas MD Anderson Cancer Center                             | Primary       |
| Functional kinomics identifies candidate therapeutic targets in head and neck cancer                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/25125259/">https://pubmed.ncbi.nlm.nih.gov/25125259/</a>     |                                                                                | Fred Hutchinson Cancer Research Center (1)                                | Primary       |
| CDK9-mediated transcription elongation is required for MYC addiction in hepatocellular carcinoma                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/25128497/">https://pubmed.ncbi.nlm.nih.gov/25128497/</a>     | Genes Dev. 2014 Aug 15;28(16):1800-14                                          | Cold Spring Harbor Laboratory                                             | Primary       |
| When deletions gain functions: commandeering epigenetic mechanisms                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/25117708/">https://pubmed.ncbi.nlm.nih.gov/25117708/</a>     | Cancer Cell. 2014 Aug 11;26(2):160-1                                           | University of California San Francisco (2)                                | Review        |

| Publication Title                                                                                                                             | Publication Link                                                                                  | Citation                                                                         | Institution                                                                                    | Type          |
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| Functional genomics platform for pooled screening and generation of mammalian genetic interaction maps                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/24992097/">https://pubmed.ncbi.nlm.nih.gov/24992097/</a> | Nat Protoc. 2014 Aug;9(8):1825-47. doi: 10.1038/nprot.2014.103. Epub 2014 Jul 3. | University of California San Francisco (1)                                                     | Primary       |
| Multiplatform analysis of 12 cancer types reveals molecular classification within and across tissues of origin                                | <a href="https://pubmed.ncbi.nlm.nih.gov/25109877/">https://pubmed.ncbi.nlm.nih.gov/25109877/</a> |                                                                                  | University of Texas MD Anderson Cancer Center                                                  | Primary       |
| Targeting adaptive glioblastoma: an overview of proliferation and invasion.                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/25082799/">https://pubmed.ncbi.nlm.nih.gov/25082799/</a> | Neuro Oncol. 2014 Dec;16(12):1575-84.                                            | Translational Genomics Research Institute                                                      | Review        |
| Fibroblast heterogeneity in the cancer wound.                                                                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/25071162/">https://pubmed.ncbi.nlm.nih.gov/25071162/</a> | J Exp Med. 2014 Jul 28;211(8):1503-23                                            | Cold Spring Harbor Laboratory                                                                  | Review        |
| The RAC1 P29S hotspot mutation in melanoma confers resistance to pharmacological inhibition of RAF                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/25056119/">https://pubmed.ncbi.nlm.nih.gov/25056119/</a> |                                                                                  | University of Texas MD Anderson Cancer Center                                                  | Primary       |
| CTCF haploinsufficiency destabilizes DNA methylation and predisposes to cancer                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/24794443/">https://pubmed.ncbi.nlm.nih.gov/24794443/</a> |                                                                                  | Fred Hutchinson Cancer Research Center (1)                                                     | Primary       |
| Systematic identification of barriers to human iPSC generation                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/25036638/">https://pubmed.ncbi.nlm.nih.gov/25036638/</a> | Cell. 2014 Jul 17;158(2):449-61. doi: 10.1016/j.cell.2014.05.040.                | University of California San Francisco (1)                                                     | Primary       |
| Could α5-GABA-A receptor activation be used as a target for managing medulloblastomas?                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/25286034/">https://pubmed.ncbi.nlm.nih.gov/25286034/</a> | CNS Oncol. 2014 Jul;3(4):245-7                                                   | University of California San Francisco (2)                                                     | Review        |
| KRAS and YAP1 converge to regulate EMT and tumor survival                                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/24954536/">https://pubmed.ncbi.nlm.nih.gov/24954536/</a> |                                                                                  | Dana-Farber Cancer Institute                                                                   | Primary       |
| Requirement for CDK6 in MLL-rearranged acute myeloid leukemia                                                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/24764564/">https://pubmed.ncbi.nlm.nih.gov/24764564/</a> | Blood. 2014 Jul 3;124(1):13-23                                                   | Dana-Farber Cancer Institute                                                                   | Primary       |
| Epigenetic targeting of Hedgehog pathway transcriptional output through BET bromodomain inhibition                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/24973920/">https://pubmed.ncbi.nlm.nih.gov/24973920/</a> | Nat Med. 2014 Jul;20(7):732-40                                                   | University of California San Francisco (2)                                                     | Primary       |
| Computational detection and suppression of sequence-specific off-target phenotypes from whole genome RNAi screens                             | <a href="https://pubmed.ncbi.nlm.nih.gov/24972830/">https://pubmed.ncbi.nlm.nih.gov/24972830/</a> |                                                                                  | University of Texas Southwestern Medical Center                                                | Primary       |
| Computational methods for DNA copy-number analysis of tumors.                                                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/25030933/">https://pubmed.ncbi.nlm.nih.gov/25030933/</a> | Methods Mol Biol. 2014;1176:243-59                                               | Cold Spring Harbor Laboratory                                                                  | Primary       |
| Global transcriptome analysis of formalin-fixed prostate cancer specimens identifies biomarkers of disease recurrence                         | <a href="https://pubmed.ncbi.nlm.nih.gov/24713434/">https://pubmed.ncbi.nlm.nih.gov/24713434/</a> | Cancer Res. 2014 Jun 15;74(12):3228-37.                                          | Emory University                                                                               | Primary       |
| A pan-cancer proteomic perspective on The Cancer Genome Atlas.*                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/24871328/">https://pubmed.ncbi.nlm.nih.gov/24871328/</a> | Nat Commun. 2014 May 29;5:3887                                                   | University of Texas MD Anderson Cancer Center, University of Texas Southwestern Medical Center | Collaboration |
| Oncogenic transformation of diverse gastrointestinal tissues in primary organoid culture                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24859528/">https://pubmed.ncbi.nlm.nih.gov/24859528/</a> |                                                                                  | Stanford University                                                                            | Primary       |
| Identification of Hipk2 as an essential regulator of white fat development                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/24785298/">https://pubmed.ncbi.nlm.nih.gov/24785298/</a> | Proc Natl Acad Sci U S A. 2014 May 20;111(20):7373-8                             | University of California San Francisco (2)                                                     | Primary       |
| Cross-species regulatory network analysis identifies a synergistic interaction between FOXM1 and CENPF that drives prostate cancer malignancy | <a href="https://pubmed.ncbi.nlm.nih.gov/24823640/">https://pubmed.ncbi.nlm.nih.gov/24823640/</a> | Cancer Cell. 2014 May 12;25(5):638-651.                                          | Columbia University                                                                            | Primary       |
| A high-coverage shRNA screen identifies TMEM129 as an E3 ligase involved in ER-associated protein degradation                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/24807418/">https://pubmed.ncbi.nlm.nih.gov/24807418/</a> | Nat Commun. 2014 May 8;5:3832. doi: 10.1038/ncomms4832                           | University of California San Francisco (1)                                                     | Primary       |
| Oncogenic Ras induces inflammatory cytokine production by upregulating the squamous cell carcinoma antigens SerpinB3/B4                       | <a href="https://pubmed.ncbi.nlm.nih.gov/24759783/">https://pubmed.ncbi.nlm.nih.gov/24759783/</a> | Nat Commun. 2014 Apr 23;5:3729.                                                  | Cold Spring Harbor Laboratory                                                                  | Primary       |
| Carpamidines A-C, cytotoxic arylamine derivatives from a marine-derived Streptomyces sp.                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24754815/">https://pubmed.ncbi.nlm.nih.gov/24754815/</a> | J Nat Prod. 2014 May 23;77(5):1245-8                                             | University of Texas Southwestern Medical Center                                                | Primary       |
| Prediction of individualized therapeutic vulnerabilities in cancer from genomic profiles                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24665131/">https://pubmed.ncbi.nlm.nih.gov/24665131/</a> |                                                                                  | Cold Spring Harbor Laboratory                                                                  | Primary       |

| Publication Title                                                                                                                                       | Publication Link                                                                                  | Citation                                                     | Institution                                       | Type          |
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| Conditional reverse tet-transactivator mouse strains for the efficient induction of TRE-regulated transgenes in mice                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/24743474/">https://pubmed.ncbi.nlm.nih.gov/24743474/</a> |                                                              | Cold Spring Harbor Laboratory                     | Primary       |
| Molecular characterization of gallbladder cancer using somatic mutation profiling.                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24508317/">https://pubmed.ncbi.nlm.nih.gov/24508317/</a> | Hum Pathol. 2014 Apr;45(4):701-8                             | University of Texas MD Anderson Cancer Center     | Primary       |
| Nuclear PRAS40 couples the Akt/mTORC1 signaling axis to the RPL11-HDM2-p53 nucleolar stress response pathway                                            | <a href="https://pubmed.ncbi.nlm.nih.gov/24704832/">https://pubmed.ncbi.nlm.nih.gov/24704832/</a> |                                                              | Emory University                                  | Primary       |
| EDDY: a novel statistical gene set test method to detect differential genetic dependencies                                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/24500204/">https://pubmed.ncbi.nlm.nih.gov/24500204/</a> |                                                              | Translational Genomics Research Institute         | Primary       |
| The Emory Chemical Biology Discovery Center: leveraging academic innovation to advance novel targets through HTS and beyond.                            | <a href="https://pubmed.ncbi.nlm.nih.gov/24409950/">https://pubmed.ncbi.nlm.nih.gov/24409950/</a> | Comb Chem High Throughput Screen. 2014 Mar;17(3):290-6       | Emory University                                  | Review        |
| Synthetic lethal screens as a means to understand and treat MYC-driven cancers                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24591535/">https://pubmed.ncbi.nlm.nih.gov/24591535/</a> | Cold Spring Harb Perspect Med. 2014 Mar 1;4(3). pii: a014209 | Fred Hutchinson Cancer Research Center (1)        | Primary       |
| RapidCaP, a novel GEM model for metastatic prostate cancer analysis and therapy, reveals myc as a driver of Pten-mutant metastasis                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24444712/">https://pubmed.ncbi.nlm.nih.gov/24444712/</a> | Cancer Discov. 2014 Mar;4(3):318-33                          | Cold Spring Harbor Laboratory                     | Primary       |
| Cancer Systems Biology: a peek into the future of patient care?                                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/24492837/">https://pubmed.ncbi.nlm.nih.gov/24492837/</a> | Nat Rev Clin Oncol. 2014 Mar;11(3):167-76                    | University of Texas MD Anderson Cancer Center     | Review        |
| ARID1B is a specific vulnerability in ARID1A-mutant cancers                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/24562383/">https://pubmed.ncbi.nlm.nih.gov/24562383/</a> | Nat Med. 2014 Mar;20(3):251-4                                | Dana-Farber Cancer Institute                      | Primary       |
| ZFXH4 interacts with the NuRD core member CHD4 and regulates the glioblastoma tumor-initiating cell state.*                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/24440720/">https://pubmed.ncbi.nlm.nih.gov/24440720/</a> | Cell Rep. 2014 Jan 30;6(2):313-24.                           | Columbia University, Dana-Farber Cancer Institute | Collaboration |
| In vivo multiplexed interrogation of amplified genes identifies GAB2 as an ovarian cancer oncogene                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/24385586/">https://pubmed.ncbi.nlm.nih.gov/24385586/</a> |                                                              | Dana-Farber Cancer Institute                      | Primary       |
| Regulation of ferroptotic cancer cell death by GPX4.*                                                                                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/24439385/">https://pubmed.ncbi.nlm.nih.gov/24439385/</a> | Cell. 2014 Jan 16;156(1-2):317-331.                          | Broad Institute, Columbia University              | Collaboration |
| Proteomic characterization of breast cancer xenografts identifies early and late bevacizumab-induced responses and predicts effective drug combinations | <a href="https://pubmed.ncbi.nlm.nih.gov/24192926/">https://pubmed.ncbi.nlm.nih.gov/24192926/</a> | Clin Cancer Res. 2014 Jan 15;20(2):404-12                    | University of Texas MD Anderson Cancer Center     | Primary       |
| Residual complexes containing SMARCA2 (BRM) underlie the oncogenic drive of SMARCA4 (BRG1) mutation.                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/24421395/">https://pubmed.ncbi.nlm.nih.gov/24421395/</a> | Mol Cell Biol. 2014 Mar;34(6):1136-44                        | Dana-Farber Cancer Institute                      | Primary       |
| Bias from removing read duplication in ultra-deep sequencing experiments.                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/24389657/">https://pubmed.ncbi.nlm.nih.gov/24389657/</a> | Bioinformatics. 2014 Apr 15;30(8):1073-1080                  | University of Texas MD Anderson Cancer Center     | Primary       |
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| Dynamic imaging of genomic loci in living human cells by an optimized CRISPR/Cas system                                                                 | <a href="https://pubmed.ncbi.nlm.nih.gov/24360272/">https://pubmed.ncbi.nlm.nih.gov/24360272/</a> | Cell. 2013 Dec 19;155(7):1479-91                             | University of California San Francisco (1)        | Primary       |
| Direct reversal of glucocorticoid resistance by AKT inhibition in acute lymphoblastic leukemia                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24291004/">https://pubmed.ncbi.nlm.nih.gov/24291004/</a> |                                                              | Columbia University                               | Primary       |
| The prenatal origins of cancer                                                                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24599217/">https://pubmed.ncbi.nlm.nih.gov/24599217/</a> |                                                              | University of California San Francisco (2)        | Review        |
| Systematic genomic identification of colorectal cancer genes delineating advanced from early clinical stage and metastasis                              | <a href="https://pubmed.ncbi.nlm.nih.gov/24308539/">https://pubmed.ncbi.nlm.nih.gov/24308539/</a> | 2013 Dec 5;6:54.                                             | Stanford University                               | Primary       |
| BET bromodomain inhibition of MYC-amplified medulloblastoma                                                                                             | <a href="https://pubmed.ncbi.nlm.nih.gov/24297863/">https://pubmed.ncbi.nlm.nih.gov/24297863/</a> |                                                              | University of California San Francisco (2)        | Primary       |

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| Tumor evolution and intratumor heterogeneity of an oropharyngeal squamous cell carcinoma revealed by whole-genome sequencing         | <a href="https://pubmed.ncbi.nlm.nih.gov/24403859/">https://pubmed.ncbi.nlm.nih.gov/24403859/</a>                         | Neoplasia. 2013 Dec;15(12):1371-8                          | Fred Hutchinson Cancer Research Center (1)                                   | Primary       |
| Genome-wide methylation analysis and epigenetic unmasking identify tumor suppressor genes in hepatocellular carcinoma.               | <a href="https://pubmed.ncbi.nlm.nih.gov/24012984/">https://pubmed.ncbi.nlm.nih.gov/24012984/</a>                         | Gastroenterology. 2013 Dec;145(6):1424-35.e1-25.           | Cold Spring Harbor Laboratory                                                | Primary       |
| Synthetic lethality between CCNE1 amplification and loss of BRCA1.                                                                   | <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845173/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3845173/</a> | Proc Natl Acad Sci U S A. 2013 Nov 26; 110(48):19489–19494 | Dana-Farber Cancer Institute                                                 | Primary       |
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| Phenotypic and transcriptional fidelity of patient-derived colon cancer xenografts in immune-deficient mice.                         | <a href="https://pubmed.ncbi.nlm.nih.gov/24278200/">https://pubmed.ncbi.nlm.nih.gov/24278200/</a>                         | PLoS One. 2013 Nov 20;8(11)                                | Fred Hutchinson Cancer Research Center (2)                                   | Primary       |
| Suppression of eukaryotic initiation factor 4E prevents chemotherapy-induced alopecia                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/24219888/">https://pubmed.ncbi.nlm.nih.gov/24219888/</a>                         | BMC Pharmacol Toxicol. 2013 Nov 13;14:58                   | Cold Spring Harbor Laboratory                                                | Primary       |
| α5-GABAA receptors negatively regulate MYC-amplified medulloblastoma growth                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24196163/">https://pubmed.ncbi.nlm.nih.gov/24196163/</a>                         |                                                            | University of California San Francisco (2)                                   | Primary       |
| Identification of driver genes in hepatocellular carcinoma by exome sequencing.                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/23728943/">https://pubmed.ncbi.nlm.nih.gov/23728943/</a>                         | Hepatology. 2013 Nov;58(5):1693-702                        | Cold Spring Harbor Laboratory                                                | Primary       |
| Systematic identification of molecular subtype-selective vulnerabilities in non-small-cell lung cancer                               | <a href="https://pubmed.ncbi.nlm.nih.gov/24243015/">https://pubmed.ncbi.nlm.nih.gov/24243015/</a>                         |                                                            | University of Texas Southwestern Medical Center                              | Primary       |
| CanDrA: Cancer-Specific Driver Missense Mutation Annotation with Optimized Features                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/24205039/">https://pubmed.ncbi.nlm.nih.gov/24205039/</a>                         | PLoS One. 2013 Oct 30;8(10):e77945                         | University of Texas MD Anderson Cancer Center                                | Primary       |
| Using functional signature ontology (FUSION) to identify mechanisms of action for natural products                                   | <a href="https://pubmed.ncbi.nlm.nih.gov/24129700/">https://pubmed.ncbi.nlm.nih.gov/24129700/</a>                         |                                                            | University of Texas Southwestern Medical Center                              | Primary       |
| Integrative radiogenomic profiling of squamous cell lung cancer                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/23980093/">https://pubmed.ncbi.nlm.nih.gov/23980093/</a>                         |                                                            | Broad Institute                                                              | Primary       |
| EGFR phosphorylates tumor-derived EGFRvIII driving STAT3/5 and progression in glioblastoma.                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24135280/">https://pubmed.ncbi.nlm.nih.gov/24135280/</a>                         | Cancer Cell. 2013 Oct 14;24(4):438-49                      | University of California San Francisco (2)                                   | Primary       |
| It takes two to tango: Dual inhibition of PI3K and MAPK in rhabdomyosarcoma                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24097859/">https://pubmed.ncbi.nlm.nih.gov/24097859/</a>                         |                                                            | University of California San Francisco (2)                                   | Review        |
| Neuroblastoma and MYCN                                                                                                               | <a href="https://pubmed.ncbi.nlm.nih.gov/24086065/">https://pubmed.ncbi.nlm.nih.gov/24086065/</a>                         | Cold Spring Harb Perspect Med. 2013 Oct 1;3(10):a014415    | University of California San Francisco (2)                                   | Review        |
| The Cancer Genome Atlas Pan-Cancer analysis project.*                                                                                | <a href="https://pubmed.ncbi.nlm.nih.gov/24071849/">https://pubmed.ncbi.nlm.nih.gov/24071849/</a>                         | Nat Genet. 2013 Oct;45(10):1113-20.                        | Cold Spring Harbor Laboratory, University of Texas MD Anderson Cancer Center | Collaboration |
| Discoipyrroles A-D: isolation, structure determination, and synthesis of potent migration inhibitors from <i>Bacillus hunanensis</i> | <a href="https://pubmed.ncbi.nlm.nih.gov/23984625/">https://pubmed.ncbi.nlm.nih.gov/23984625/</a>                         |                                                            | University of Texas Southwestern Medical Center                              | Primary       |
| System-wide analysis reveals a complex network of tumor-fibroblast interactions involved in tumorigenicity.                          | <a href="https://pubmed.ncbi.nlm.nih.gov/24068959/">https://pubmed.ncbi.nlm.nih.gov/24068959/</a>                         | PLoS Genet. 2013;9(9):e1003789.                            | Cold Spring Harbor Laboratory                                                | Primary       |
| Systematic interrogation of 3q26 identifies TLOC1 and SKIL as cancer drivers                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/23764425/">https://pubmed.ncbi.nlm.nih.gov/23764425/</a>                         |                                                            | Dana-Farber Cancer Institute                                                 | Primary       |
| An interactive resource to identify cancer genetic and lineage dependencies targeted by small molecules                              | <a href="https://pubmed.ncbi.nlm.nih.gov/23993102/">https://pubmed.ncbi.nlm.nih.gov/23993102/</a>                         |                                                            | Broad Institute                                                              | Primary       |
| PIHelper: an open source framework for drug-target and antibody-target data.                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/23766416/">https://pubmed.ncbi.nlm.nih.gov/23766416/</a>                         | Bioinformatics. 2013 Aug 15;29(16):2071-2                  | Cold Spring Harbor Laboratory                                                | Primary       |
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| CRISPR-mediated modular RNA-guided regulation of transcription in eukaryotes                                                                         | <a href="https://pubmed.ncbi.nlm.nih.gov/23849981/">https://pubmed.ncbi.nlm.nih.gov/23849981/</a> |                                                                                                                      | University of California San Francisco (1)        | Primary       |
| Two Distinct Categories of Focal Deletions in Cancer Genomes.                                                                                        | <a href="https://pubmed.ncbi.nlm.nih.gov/23805207/">https://pubmed.ncbi.nlm.nih.gov/23805207/</a> | PLoS One. 2013 Jun 21;8(6):e66264.                                                                                   | Cold Spring Harbor Laboratory                     | Primary       |
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| Integrated platform for genome-wide screening and construction of high-density genetic interaction maps in mammalian cells.                          | <a href="https://pubmed.ncbi.nlm.nih.gov/23739767/">https://pubmed.ncbi.nlm.nih.gov/23739767/</a> | Proc Natl Acad Sci U S A. 2013 Jun 18;110(25):E2317-26                                                               | University of California San Francisco (1)        | Primary       |
| Pervasive transcription of the human genome produces thousands of previously unidentified long intergenic noncoding RNAs.                            | <a href="https://pubmed.ncbi.nlm.nih.gov/23818866/">https://pubmed.ncbi.nlm.nih.gov/23818866/</a> | PLoS Genet. 2013 Jun;9(6):e1003569                                                                                   | University of California San Francisco (1)        | Primary       |
| Targeting protein-protein interactions as an anticancer strategy                                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/23725674/">https://pubmed.ncbi.nlm.nih.gov/23725674/</a> | Trends Pharmacol Sci. 2013 May 28. doi:pii: S0165-6147(13)00078-3. 10.1016/j.tips.2013.04.007. [Epub ahead of print] | Emory University                                  | Review        |
| Rewiring of human lung cell lineage and mitotic networks in lung adenocarcinomas.                                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/23591868/">https://pubmed.ncbi.nlm.nih.gov/23591868/</a> | Nat Commun. 2013;4:1701.                                                                                             | University of California San Francisco (2)        | Primary       |
| Functional genomics to identify unforeseen cancer drug targets.                                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/23560369/">https://pubmed.ncbi.nlm.nih.gov/23560369/</a> | Future Oncol. 2013 Apr;9(4):473-6                                                                                    | Fred Hutchinson Cancer Research Center (1)        | Review        |
| ATARIs: computational quantification of gene suppression phenotypes from multisample RNAi screens                                                    | <a href="https://pubmed.ncbi.nlm.nih.gov/23269662/">https://pubmed.ncbi.nlm.nih.gov/23269662/</a> |                                                                                                                      | Dana-Farber Cancer Institute                      | Primary       |
| Pattern discovery and cancer gene identification in integrated cancer genomic data.                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/23431203/">https://pubmed.ncbi.nlm.nih.gov/23431203/</a> | Proc Natl Acad Sci USA. 2013 Mar 12;110(11):4245-50                                                                  | Cold Spring Harbor Laboratory                     | Primary       |
| Lineage analysis of basal epithelial cells reveals their unexpected plasticity and supports a cell-of-origin model for prostate cancer heterogeneity | <a href="https://pubmed.ncbi.nlm.nih.gov/23434823/">https://pubmed.ncbi.nlm.nih.gov/23434823/</a> | Nat Cell Biol. 2013 Mar;15(3):274-83                                                                                 | Columbia University                               | Primary       |
| Repurposing CRISPR as an RNA-guided platform for sequence-specific control of gene expression.                                                       | <a href="https://pubmed.ncbi.nlm.nih.gov/23452860/">https://pubmed.ncbi.nlm.nih.gov/23452860/</a> | Cell. 2013 Feb 28;152(5):1173-83                                                                                     | University of California San Francisco (1)        | Primary       |
| Learning contextual gene set interaction networks of cancer with condition specificity.                                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/23418942/">https://pubmed.ncbi.nlm.nih.gov/23418942/</a> | BMC Genomics. 2013 Feb 19;14:110                                                                                     | Translational Genomics Research Institute         | Primary       |
| A systematic mammalian genetic interaction map reveals pathways underlying ricin susceptibility                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/23394947/">https://pubmed.ncbi.nlm.nih.gov/23394947/</a> |                                                                                                                      | University of California San Francisco (1)        | Primary       |
| β-Catenin-driven cancers require a YAP1 transcriptional complex for survival and tumorigenesis.*                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/23245941/">https://pubmed.ncbi.nlm.nih.gov/23245941/</a> | Cell. 2012 Dec 21;151(7):1457-73.                                                                                    | Dana-Farber Cancer Institute, Stanford University | Collaboration |
| RTK inhibition: looking for the right pathways toward a miracle.                                                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/23148613/">https://pubmed.ncbi.nlm.nih.gov/23148613/</a> | Future Oncol. 2012 Nov;8(11):1397-400                                                                                | Translational Genomics Research Institute         | Review        |
| Whole-exome sequencing combined with functional genomics reveals novel candidate driver cancer genes in endometrial cancer                           | <a href="https://pubmed.ncbi.nlm.nih.gov/23028188/">https://pubmed.ncbi.nlm.nih.gov/23028188/</a> | 2012 Nov;22(11):2120-9.                                                                                              | University of Texas MD Anderson Cancer Center     | Primary       |
| B-Raf activation cooperates with PTEN loss to drive c-Myc expression in advanced prostate cancer                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/22836754/">https://pubmed.ncbi.nlm.nih.gov/22836754/</a> | Cancer Res. 2012 Sep 15;72(18):4765-76                                                                               | Columbia University                               | Primary       |
| Cancer vulnerabilities unveiled by genomic loss                                                                                                      | <a href="https://pubmed.ncbi.nlm.nih.gov/22901813/">https://pubmed.ncbi.nlm.nih.gov/22901813/</a> | Cell 2012 Aug 17;150(4):842-54. doi: 10.1016/j.cell.2012.07.023.                                                     | Dana-Farber Cancer Institute                      | Primary       |
| Targeted tumor-penetrating siRNA nanocomplexes for credentialing the ovarian cancer oncogene ID4                                                     | <a href="https://pubmed.ncbi.nlm.nih.gov/22896676/">https://pubmed.ncbi.nlm.nih.gov/22896676/</a> | Sci Transl Med. 2012 Aug 15;4(147):147ra112. doi: 10.1126/scitranslmed.3003778.                                      | Dana-Farber Cancer Institute                      | Primary       |
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| PAK1 is a breast cancer oncogene that coordinately activates MAPK and MET signaling                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/22105362/">https://pubmed.ncbi.nlm.nih.gov/22105362/</a> |                                                                                                        | Dana-Farber Cancer Institute                                                                                                                       | Primary       |
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| Activation of multiple cancer pathways and tumor maintenance function of the 3q amplified oncogene FNDC3B.                           | <a href="https://pubmed.ncbi.nlm.nih.gov/22510613/">https://pubmed.ncbi.nlm.nih.gov/22510613/</a> | Cell Cycle. 2012 May 1;11(9):1773-81.                                                                  | Cold Spring Harbor Laboratory                                                                                                                      | Primary       |
| Emerging insights into the molecular and cellular basis of glioblastoma                                                              | <a href="https://pubmed.ncbi.nlm.nih.gov/22508724/">https://pubmed.ncbi.nlm.nih.gov/22508724/</a> | Genes Dev. 2012 Apr 15;26(8):756-84. doi: 10.1101/gad.187922.112.                                      | Dana-Farber Cancer Institute                                                                                                                       | Review        |
| Striking a balance between feasible and realistic biological models                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/21974934/">https://pubmed.ncbi.nlm.nih.gov/21974934/</a> | Sci Transl Med. 2011 Oct 5;3(103):103ps39. doi: 10.1126/scitranslmed.3003079                           | Columbia University                                                                                                                                | Review        |
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| Making sense of cancer genomic data                                                                                                  | <a href="https://pubmed.ncbi.nlm.nih.gov/21406553/">https://pubmed.ncbi.nlm.nih.gov/21406553/</a> | Genes Dev. 2011 Mar 15;25(6):534-55. doi: 10.1101/gad.2017311.                                         | Dana-Farber Cancer Institute                                                                                                                       | Review        |
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| Towards patient-based cancer therapeutics.*                                                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/20829823/">https://pubmed.ncbi.nlm.nih.gov/20829823/</a> | Nat Biotechnol. 2010 Sep;28(9):904-6.                                                                  | Broad Institute, Cold Spring Harbor Laboratory, Columbia University, Dana-Farber Cancer Institute, University of Texas Southwestern Medical Center | Collaboration |
| The transcriptional network for mesenchymal transformation of brain tumours                                                          | <a href="https://pubmed.ncbi.nlm.nih.gov/20032975/">https://pubmed.ncbi.nlm.nih.gov/20032975/</a> | Nature. 2010 Jan 21;463(7279):318-25                                                                   | Columbia University                                                                                                                                | Primary       |