

Stanford



Dean W. Felscher

Professor of Medicine (Oncology) and of Pathology
Medicine - Oncology

CONTACT INFORMATION

- **Alternate Contact**

Leslie Quiroz

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Bio

ACADEMIC APPOINTMENTS

- Professor, Medicine - Oncology
- Professor, Pathology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Faculty Fellow, Stanford ChEM-H

ADMINISTRATIVE APPOINTMENTS

- Director of Admissions/Associate Director, Medical Scientist Training Program, (2017- present)
- Co-Director Cancer Nanotechnology Program, Department of Radiology, Stanford School of Medicine, (2016- present)
- Director of Advanced Residency Training Program, Stanford University School of Medicine, (2018- present)
- Director of Translational Research and Applied Medicine, Department of Medicine, Stanford University School of Medicine, (2011- present)

HONORS AND AWARDS

- Elected Member, Association of American Physicians (2011)
- Translational Research Award, Burroughs Wellcome Trust (2005-2011)
- Elected Member, American Society of Clinical Investigation (2005)
- Clinical Investigator Award, Damon Runyon Foundation (2003-2008)
- Charles Carrington Prize, Stanford University (2002)
- Esther Ehrman Faculty Scholar Award, Stanford University (2000-2003)
- Physician Post-Doctoral Award, Howard Hughes Medical Institute (1997-1999)
- Emil Bogen Award, University of California, Los Angeles (1992)
- Honors, University of Chicago (1985)

PROFESSIONAL EDUCATION

- BA, University of Chicago (1985)
- MD PhD, UCLA , Medicine/Molecular Biology (1992)

LINKS

- Felsher Laboratory: http://med.stanford.edu/labs/dean_felsher/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My laboratory investigates how oncogenes initiate and sustain tumorigenesis. I have developed model systems whereby I can conditionally activate oncogenes in normal human and mouse cells in tissue culture or in specific tissues of transgenic mice. In particular using the tetracycline regulatory system, I have generated a conditional model system for MYC-induced tumors. I have shown that cancers caused by the conditional over-expression of the MYC proto-oncogene regress with its inactivation. Thus, even though cancer is a multi-step process, the inactivation of one oncogene can be sufficient to induce tumor regression. Now, I am using these model systems to address three questions:

1. How do oncogenes initiate tumorigenesis?
2. How does oncogene inactivation cause tumor regression?
3. How do tumors escape dependence on oncogenes?

CLINICAL TRIALS

- Molecular Analysis of Thoracic Malignancies, Recruiting
- Antibiotic Therapy With or Without G-CSF in Treating Children With Neutropenia and Fever Caused by Chemotherapy, Not Recruiting
- Perfusion CT Monitoring to Predict Treatment Efficacy in Renal Cell Carcinoma, Not Recruiting
- Phase 2 Study of Atorvastatin Safety and Antitumor Effects in Non-Hodgkin's Lymphoma, Not Recruiting

Teaching

COURSES

2018-19

- Gene Expression Profiling in Cancer: MED 256 (Spr)
- Translational Research and Applied Medicine: MED 121, MED 221 (Aut, Win, Spr)

2017-18

- Translational Research and Applied Medicine: MED 121, MED 221 (Aut, Win, Spr)

2016-17

- Translational Research and Applied Medicine: MED 121, MED 221 (Aut, Win, Spr)

2015-16

- Translational Research and Applied Medicine: MED 121 (Win, Spr)
- Translational Research and Applied Medicine: MED 221 (Aut, Win, Spr)

STANFORD ADVISEES

Med Scholar Project Advisor

Nia Adeniji

Doctoral Dissertation Reader (AC)

Kayvon Pedram, Stanford Schor

Postdoctoral Faculty Sponsor

Anja Deutzmann, Arvin Gouw, Aida Hansen, Christina Lee, Wadie Mahauad Fernandez

Postdoctoral Research Mentor

Anja Deutzmann, Arvin Gouw, Aida Hansen, Christina Lee, Wadie Mahauad Fernandez

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Immunology (Phd Program)
- Medicine (Masters Program)
- Oncology (Fellowship Program)

Publications

PUBLICATIONS

- **The MYC oncogene is a global regulator of the immune response** *BLOOD*
Casey, S. C., Baylot, V., Felsher, D. W.
2018; 131 (18): 2007–15
- **Oncogene KRAS activates fatty acid synthase, resulting in specific ERK and lipid signatures associated with lung adenocarcinoma** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Gouw, A. M., Eberlin, L. S., Margulis, K., Sullivan, D. K., Toal, G. G., Tong, L., Zare, R. N., Felsher, D. W.
2017; 114 (17): 4300-4305
- **MYC regulates the antitumor immune response through CD47 and PD-L1** *SCIENCE*
Casey, S. C., Tong, L., Li, Y., Do, R., Walz, S., FitzGerald, K. N., Gouw, A. M., Baylot, V., Guetgemann, I., Eilers, M., Felsher, D. W.
2016; 352 (6282): 227-231
- **MYC oncogene overexpression drives renal cell carcinoma in a mouse model through glutamine metabolism** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Shroff, E. H., Eberlin, L. S., Dang, V. M., Gouw, A. M., Gabay, M., Adam, S. J., Bellovin, D. I., Tran, P. T., Philbrick, W. M., Garcia-Ocana, A., Casey, S. C., Li, Y., Dang, et al
2015; 112 (21): 6539-6544
- **MYC through miR-17-92 Suppresses Specific Target Genes to Maintain Survival, Autonomous Proliferation, and a Neoplastic State.** *Cancer cell*
Li, Y., Choi, P. S., Casey, S. C., Dill, D. L., Felsher, D. W.
2014; 26 (2): 262-272
- **CD271(+) bone marrow mesenchymal stem cells may provide a niche for dormant Mycobacterium tuberculosis.** *Science translational medicine*
Das, B., Kashino, S. S., Pulu, I., Kalita, D., Swami, V., Yeger, H., Felsher, D. W., Campos-Neto, A.
2013; 5 (170): 170ra13-?
- **Twist1 Suppresses Senescence Programs and Thereby Accelerates and Maintains Mutant Kras-Induced Lung Tumorigenesis** *PLOS GENETICS*
Tran, P. T., Shroff, E. H., Burns, T. F., Thiyagarajan, S., Das, S. T., Zabuawala, T., Chen, J., Cho, Y., Luong, R., Tamayo, P., Salih, T., Aziz, K., Adam, et al
2012; 8 (5)
- **Immunology in the clinic review series; focus on cancer: multiple roles for the immune system in oncogene addiction** *CLINICAL AND EXPERIMENTAL IMMUNOLOGY*
Bachireddy, P., Rakhra, K., Felsher, D. W.
2012; 167 (2): 188-194

- **"Picolog," a Synthetically-Available Bryostatins Analog, Inhibits Growth of MYC-Induced Lymphoma In Vivo** *ONCOTARGET*
DeChristopher, B. A., Fan, A. C., Felsher, D. W., Wender, P. A.
2012; 3 (1): 58-66
- **Lymphomas that recur after MYC suppression continue to exhibit oncogene addiction** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Choi, P. S., van Riggelen, J., Gentles, A. J., Bachireddy, P., Rakhra, K., Adam, S. J., Plevritis, S. K., Felsher, D. W.
2011; 108 (42): 17432-17437
- **Survival and Death Signals Can Predict Tumor Response to Therapy After Oncogene Inactivation** *SCIENCE TRANSLATIONAL MEDICINE*
Tran, P. T., Bendapudi, P. K., Lin, H. J., Choi, P., Koh, S., Chen, J., Horng, G., Hughes, N. P., Schwartz, L. H., Miller, V. A., Kawashima, T., Kitamura, T., Paik, et al
2011; 3 (103)
- **CD4(+) T Cells Contribute to the Remodeling of the Microenvironment Required for Sustained Tumor Regression upon Oncogene Inactivation** *CANCER CELL*
Rakhra, K., Bachireddy, P., Zabuawala, T., Zeiser, R., Xu, L., Kopelman, A., Fan, A. C., Yang, Q., Braunstein, L., Crosby, E., Ryeom, S., Felsher, D. W.
2010; 18 (5): 485-498
- **The interaction between Myc and Miz1 is required to antagonize TGFbeta-dependent autocrine signaling during lymphoma formation and maintenance.** *Genes & development*
van Riggelen, J., Müller, J., Otto, T., Beuger, V., Yetil, A., Choi, P. S., Kosan, C., Möröy, T., Felsher, D. W., Eilers, M.
2010; 24 (12): 1281-1294
- **MYC as a regulator of ribosome biogenesis and protein synthesis** *NATURE REVIEWS CANCER*
van Riggelen, J., Yetil, A., Felsher, D. W.
2010; 10 (4): 301-309
- **Nanofluidic proteomic assay for serial analysis of oncoprotein activation in clinical specimens** *NATURE MEDICINE*
Fan, A. C., Deb-Basu, D., Orban, M. W., Gotlib, J. R., Natkunam, Y., O'Neill, R., Padua, R., Xu, L., Taketa, D., Shirer, A. E., Beer, S., Yee, A. X., Voehringer, et al
2009; 15 (5): 566-571
- **Combined Analysis of Murine and Human Microarrays and ChIP Analysis Reveals Genes Associated with the Ability of MYC To Maintain Tumorigenesis** *PLOS GENETICS*
Wu, C., Sahoo, D., Arvanitis, C., Bradon, N., Dill, D. L., Felsher, D. W.
2008; 4 (6)
- **Cellular senescence is an important mechanism of tumor regression upon c-Myc inactivation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wu, C., van Riggelen, J., Yetil, A., Fan, A. C., Bachireddy, P., Felsher, D. W.
2007; 104 (32): 13028-13033
- **Sustained regression of tumors upon MYC inactivation requires p53 or thrombospondin-1 to reverse the angiogenic switch** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Giuriato, S., Ryeom, S., Fan, A. C., Bachireddy, P., Lynch, R. C., Rioth, M. J., van Riggelen, J., Kopelman, A. M., Passegue, E., Tang, F., Folkman, J., Felsher, D. W.
2006; 103 (44): 16266-16271
- **Developmental context determines latency of MYC-induced tumorigenesis** *PLOS BIOLOGY*
Beer, S., Zetterberg, A., Ihrie, R. A., McTaggart, R. A., Yang, Q. W., Bradon, N., Arvanitis, C., Attardi, L. D., Feng, S., Ruebner, B., Cardiff, R. D., Felsher, D. W.
2004; 2 (11): 1785-1798
- **MYC inactivation uncovers pluripotent differentiation and tumour dormancy in hepatocellular cancer** *NATURE*
Shachaf, C. M., Kopelman, A. M., Arvanitis, C., Karlsson, A., Beer, S., Mandl, S., Bachmann, M. H., Borowsky, A. D., Ruebner, B., Cardiff, R. D., Yang, Q. W., BISHOP, J. M., Contag, et al
2004; 431 (7012): 1112-1117
- **Defective double-strand DNA break repair and chromosomal translocations by MYC overexpression** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Karlsson, A., Deb-Basu, D., Cherry, A., Turner, S., Ford, J., Felsher, D. W.
2003; 100 (17): 9974-9979

- **Cancer revoked: oncogenes as therapeutic targets** *NATURE REVIEWS CANCER*
Felsher, D. W.
2003; 3 (5): 375-380
- **Sustained loss of a neoplastic phenotype by brief inactivation of MYC** *SCIENCE*
Jain, M., Arvanitis, C., Chu, K., Dewey, W., Leonhardt, E., Trinh, M., Sundberg, C. D., BISHOP, J. M., Felsher, D. W.
2002; 297 (5578): 102-104
- **Mistletoe extract Fraxini inhibits the proliferation of liver cancer by down-regulating c-Myc expression** *SCIENTIFIC REPORTS*
Yang, P., Jiang, Y., Pan, Y., Ding, X., Rhea, P., Ding, J., Hawke, D. H., Felsher, D., Narla, G., Lu, Z., Lee, R. T.
2019; 9
- **A Tale of Two Complications of Obesity: Nonalcoholic steatohepatitis (NASH) and Hepatocellular carcinoma (HCC).** *Hepatology (Baltimore, Md.)*
Dhanasekaran, R., Felsher, D. W.
2019
- **Stabilization of the Max Homodimer with a Small Molecule Attenuates Myc-Driven Transcription.** *Cell chemical biology*
Struntz, N. B., Chen, A., Deutzmann, A., Wilson, R. M., Stefan, E., Evans, H. L., Ramirez, M. A., Liang, T., Caballero, F., Wildschut, M. H., Neel, D. V., Freeman, D. B., Pop, et al
2019
- **MYC Functions As a Master Switch for Natural Killer Cell-Mediated Immune Surveillance of Lymphoid Malignancies**
Swaminathan, S., Hefidtal, L., Liefwalker, D. F., Dhanasekaran, R., Deutzmann, A., Horton, C., Mosley, A., Liebersbach, M., Maecker, H. T., Felsher, D.
AMER SOC HEMATOLOGY.2018
- **Lipid nanoparticles that deliver IL-12 messenger RNA suppress tumorigenesis in MYC oncogene-driven hepatocellular carcinoma.** *Journal for immunotherapy of cancer*
Lai, I., Swaminathan, S., Baylot, V., Mosley, A., Dhanasekaran, R., Gabay, M., Felsher, D. W.
2018; 6 (1): 125
- **O-GlcNAcylation is required for mutant KRAS-induced lung tumorigenesis** *JOURNAL OF CLINICAL INVESTIGATION*
Taparra, K., Wang, H., Malek, R., Lafargue, A., Barbhuiya, M. A., Wang, X., Simons, B. W., Ballew, M., Nugent, K., Groves, J., Williams, R. D., Shiraiishi, T., Verdone, et al
2018; 128 (11): 4924-37
- **The glutathione redox system is essential to prevent ferroptosis caused by impaired lipid metabolism in clear cell renal cell carcinoma** *ONCOGENE*
Miess, H., Dankworth, B., Gouw, A. M., Rosenfeldt, M., Schmitz, W., Jiang, M., Saunders, B., Howell, M., Downward, J., Felsher, D. W., Peck, B., Schulze, A.
2018; 37 (40): 5435-50
- **Administration of low-dose combination anti-CTLA4, anti-CD137, and anti-OX40 into murine tumor or proximal to the tumor draining lymph node induces systemic tumor regression** *CANCER IMMUNOLOGY IMMUNOTHERAPY*
Hebb, J. O., Mosley, A. R., Vences-Catalan, F., Rajasekaran, N., Rosen, A., Ellmark, P., Felsher, D. W.
2018; 67 (1): 47-60
- **Anti-miR-17 therapy delays tumorigenesis in MYC-driven hepatocellular carcinoma (HCC).** *Oncotarget*
Dhanasekaran, R., Gabay-Ryan, M., Baylot, V., Lai, I., Mosley, A., Huang, X., Zabludoff, S., Li, J., Kaimal, V., Karmali, P., Felsher, D. W.
2018; 9 (5): 5517-28
- **MYC through HIF-2 alpha regulates the altruistic stemness program in human leukemia stem cells.**
Pal, B., Sarma, A., Talukdar, J., Bhuyan, S., Sandhya, S., Gayan, S., Gogoi, G., Baishya, D., Katak, A., Felsher, D. W., Das, B.
AMER ASSOC CANCER RESEARCH.2017: 61-62
- **MYC is the master switch between tumor dormancy and relapse in Hepatocellular carcinoma (HCC)**
Dhanasekaran, R., Baylot, V., Mosley, A., Felsher, D.
WILEY.2017: 966A
- **DNMT3B overexpression contributes to aberrant DNA methylation and MYC-driven tumor maintenance in T-ALL and Burkitt's lymphoma** *ONCOTARGET*
Poole, C. J., Zheng, W., Lodh, A., Yevtodiynenko, A., Liefwalker, D., Li, H., Felsher, D. W., van Riggelen, J.
2017; 8 (44): 76898-920

- **KB004, a first in class monoclonal antibody targeting the receptor tyrosine kinase EphA3, in patients with advanced hematologic malignancies: Results from a phase 1 study (vol 50, pg 123, 2016) *LEUKEMIA RESEARCH***
Swords, R. T., Greenberg, P. L., Wei, A. H., Durrant, S., Advani, A. S., Hertzberg, M. S., Lewis, I. D., Rivera, G., Gratzinger, D., Fan, A. C., Felsher, D. W., Cortes, J. E., Watts, et al
2017; 59: 65
- **MYC activation cooperates with Vhl and Ink4a/Arf loss to induce clear cell renal cell carcinoma *NATURE COMMUNICATIONS***
Bailey, S. T., Smith, A. M., Kardos, J., Wobker, S. E., Wilson, H. L., Krishnan, B., Saito, R., Lee, H., Zhang, J., Eaton, S. C., Williams, L. A., Manocha, U., Peters, et al
2017; 8: 15770
- **MYC: Master Regulator of Immune Privilege. *Trends in immunology***
Casey, S. C., Baylot, V., Felsher, D. W.
2017
- **KB004, a first in class monoclonal antibody targeting the receptor tyrosine kinase EphA3, in patients with advanced hematologic malignancies: Results from a phase 1 study. *Leukemia research***
Swords, R. T., Greenberg, P. L., Wei, A. H., Durrant, S., Advani, A. S., Hertzberg, M. S., Lewis, I. D., Rivera, G., Gratzinger, D., Fan, A. C., Felsher, D. W., Cortes, J. E., Watts, et al
2016; 50: 123-131
- **BIM-mediated apoptosis and oncogene addiction. *Aging***
Li, Y., Deutzmann, A., Felsher, D. W.
2016; 8 (9): 1834-1835
- **Metabolic vulnerabilities of MYC-induced cancer *ONCOTARGET***
Gouw, A. M., Toal, G. G., Felsher, D. W.
2016; 7 (21): 29879-80
- **BIM mediates oncogene inactivation-induced apoptosis in multiple transgenic mouse models of acute lymphoblastic leukemia *ONCOTARGET***
Li, Y., Deutzmann, A., Choi, P. S., Fan, A. C., Felsher, D. W.
2016; 7 (19): 26926-26934
- **NAFLD causes selective CD4(+) T lymphocyte loss and promotes hepatocarcinogenesis *NATURE***
Ma, C., Kesarwala, A. H., Eggert, T., Medina-Echeverz, J., Kleiner, D. E., Jin, P., Stroncek, D. F., Terabe, M., Kapoor, V., ElGindi, M., Han, M., Thornton, A. M., Zhang, et al
2016; 531 (7593): 253-?
- **Affordable Cancer Medications Are Within Reach but We Need a Different Approach. *Journal of clinical oncology : official journal of the American Society of Clinical Oncology***
Felsher, D. W., Lowe, L.
2016; 34 (18): 2194-95
- **BIM mediates oncogene inactivation-induced apoptosis in multiple transgenic mouse models of acute lymphoblastic leukemia. *Oncotarget***
Li, Y., Deutzmann, A., Choi, P. S., Fan, A. C., Felsher, D. W.
2016
- **Cancer prevention and therapy through the modulation of the tumor microenvironment. *Seminars in cancer biology***
Casey, S. C., Amedei, A., Aquilano, K., Azmi, A. S., Benencia, F., Bhakta, D., Bilsland, A. E., Boosani, C. S., Chen, S., Ciriolo, M. R., Crawford, S., Fujii, H., Georgakilas, et al
2015; 35: S199-223
- **Cancer prevention and therapy through the modulation of the tumor microenvironment. *Seminars in cancer biology***
Casey, S. C., Amedei, A., Aquilano, K., Azmi, A. S., Benencia, F., Bhakta, D., Bilsland, A. E., Boosani, C. S., Chen, S., Ciriolo, M. R., Crawford, S., Fujii, H., Georgakilas, et al
2015; 35: S199-223
- **Designing a broad-spectrum integrative approach for cancer prevention and treatment *SEMINARS IN CANCER BIOLOGY***
Block, K. I., Gyllenhaal, C., Lowe, L., Amedei, A., Amin, A. R., Amin, A., Aquilano, K., Arbiser, J., Arreola, A., Arzumanyan, A., Ashraf, S. S., Azmi, A. S., Benencia, et al
2015; 35: S276-S304

- **MYC Disrupts the Circadian Clock and Metabolism in Cancer Cells.** *Cell metabolism*
Altman, B. J., Hsieh, A. L., Sengupta, A., Krishnanaiah, S. Y., Stine, Z. E., Walton, Z. E., Gouw, A. M., Venkataraman, A., Li, B., Goraksha-Hicks, P., Diskin, S. J., Bellovin, D. I., Simon, et al
2015; 22 (6): 1009-1019
- **ARF: Connecting senescence and innate immunity for clearance** *AGING-US*
Kearney, A. Y., Anchang, B., Plevritis, S., Felsher, D. W.
2015; 7 (9): 613-615
- **The effect of environmental chemicals on the tumor microenvironment** *CARCINOGENESIS*
Casey, S. C., Vaccari, M., Al-Mulla, F., Al-Temaimi, R., Amedei, A., Barcellos-Hoff, M. H., Brown, D. G., Chapellier, M., Christopher, J., Curran, C., Forte, S., Hamid, R. A., Heneberg, et al
2015; 36: S160-S183
- **Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead.** *Carcinogenesis*
Goodson, W. H., Lowe, L., Carpenter, D. O., Gilbertson, M., Manaf Ali, A., Lopez de Cerain Salsamendi, A., Lasfar, A., Carnero, A., Azqueta, A., Amedei, A., Charles, A. K., Collins, A. R., Ward, et al
2015; 36: S254-96
- **Targeted inhibition of tumor-specific glutaminase diminishes cell-autonomous tumorigenesis** *JOURNAL OF CLINICAL INVESTIGATION*
Xiang, Y., Stine, Z. E., Xia, J., Lu, Y., O'Connor, R. S., Altman, B. J., Hsieh, A. L., Gouw, A. M., Thomas, A. G., Gao, P., Sun, L., Song, L., Yan, et al
2015; 125 (6): 2293-2306
- **Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead** *CARCINOGENESIS*
Goodson, W. H., Lowe, L., Carpenter, D. O., Gilbertson, M., Ali, A. M., de Cerain Salsamendi, A. L., Lasfar, A., Carnero, A., Azqueta, A., Amedei, A., Charles, A. K., Collins, A. R., Ward, et al
2015; 36: S254-S296
- **p19ARF is a critical mediator of both cellular senescence and an innate immune response associated with MYC inactivation in mouse model of acute leukemia** *ONCOTARGET*
Yetil, A., Anchang, B., Gouw, A. M., Adam, S. J., Zabuawala, T., Parameswaran, R., van Riggelen, J., Plevritis, S., Felsher, D. W.
2015; 6 (6): 3563-3577
- **miR-17-92 explains MYC oncogene addiction.** *Molecular & cellular oncology*
Li, Y., Casey, S. C., Choi, P. S., Felsher, D. W.
2014; 1 (4)
- **Oncogene addiction: resetting the safety switch?** *Oncotarget*
Li, Y., Choi, P. S., Felsher, D. W.
2014; 5 (18): 7986-7987
- **Activation of Cre Recombinase Alone Can Induce Complete Tumor Regression** *PLOS ONE*
Li, Y., Choi, S., Casey, S. C., Felsher, D. W.
2014; 9 (9)
- **Addiction to multiple oncogenes can be exploited to prevent the emergence of therapeutic resistance.** *Proceedings of the National Academy of Sciences of the United States of America*
Choi, P. S., Li, Y., Felsher, D. W.
2014; 111 (32): E3316-24
- **Addiction to multiple oncogenes can be exploited to prevent the emergence of therapeutic resistance.** *Proceedings of the National Academy of Sciences of the United States of America*
Choi, P. S., Li, Y., Felsher, D. W.
2014; 111 (32): E3316-24
- **Alteration of the lipid profile in lymphomas induced by MYC overexpression.** *Proceedings of the National Academy of Sciences of the United States of America*
Eberlin, L. S., Gabay, M., Fan, A. C., Gouw, A. M., Tibshirani, R. J., Felsher, D. W., Zare, R. N.
2014; 111 (29): 10450-10455
- **Inactivation of MYC reverses tumorigenesis** *JOURNAL OF INTERNAL MEDICINE*

- Li, Y., Casey, S. C., Felsher, D. W.
2014; 276 (1): 52-60
- **MYC Activation Is a Hallmark of Cancer Initiation and Maintenance** *COLD SPRING HARBOR PERSPECTIVES IN MEDICINE*
Gabay, M., Li, Y., Felsher, D. W.
2014; 4 (6)
 - **MYC activation is a hallmark of cancer initiation and maintenance.** *Cold Spring Harbor perspectives in medicine*
Gabay, M., Li, Y., Felsher, D. W.
2014; 4 (6)
 - **Bioorthogonal cyclization-mediated in situ self-assembly of small-molecule probes for imaging caspase activity in vivo.** *Nature chemistry*
Ye, D., Shuhendler, A. J., Cui, L., Tong, L., Tee, S. S., Tikhomirov, G., Felsher, D. W., Rao, J.
2014; 6 (6): 519-526
 - **An essential role for the immune system in the mechanism of tumor regression following targeted oncogene inactivation.** *Immunologic research*
Casey, S. C., Li, Y., Felsher, D. W.
2014; 58 (2-3): 282-291
 - **Angiocrine factors deployed by tumor vascular niche induce B cell lymphoma invasiveness and chemoresistance.** *Cancer cell*
Cao, Z., Ding, B., Guo, P., Lee, S. B., Butler, J. M., Casey, S. C., Simons, M., Tam, W., Felsher, D. W., Shido, K., Rafii, A., Scandura, J. M., Rafii, et al
2014; 25 (3): 350-365
 - **Angiocrine Factors Deployed by Tumor Vascular Niche Induce B Cell Lymphoma Invasiveness and Chemoresistance** *CANCER CELL*
Cao, Z., Ding, B., Guo, P., Lee, S. B., Butler, J. M., Casey, S. C., Simons, M., Tam, W., Felsher, D. W., Shido, K., Rafii, A., Scandura, J. M., Rafii, et al
2014; 25 (3): 350-365
 - **Development of novel tumor-targeted theranostic nanoparticles activated by membrane-type matrix metalloproteinases for combined cancer magnetic resonance imaging and therapy.** *Small*
Ansari, C., Tikhomirov, G. A., Hong, S. H., Falconer, R. A., Loadman, P. M., Gill, J. H., Castaneda, R., Hazard, F. K., Tong, L., Lenkov, O. D., Felsher, D. W., Rao, J., Daldrup-Link, et al
2014; 10 (3): 566-?
 - **Development of novel tumor-targeted theranostic nanoparticles activated by membrane-type matrix metalloproteinases for combined cancer magnetic resonance imaging and therapy.** *Small*
Ansari, C., Tikhomirov, G. A., Hong, S. H., Falconer, R. A., Loadman, P. M., Gill, J. H., Castaneda, R., Hazard, F. K., Tong, L., Lenkov, O. D., Felsher, D. W., Rao, J., Daldrup-Link, et al
2014; 10 (3): 566-575
 - **Inactivation of MYC reverses tumorigenesis.** *Journal of internal medicine*
Li, Y., Casey, S. C., Felsher, D. W.
2014
 - **Activation of Cre recombinase alone can induce complete tumor regression.** *PloS one*
Li, Y., Choi, P. S., Casey, S. C., Felsher, D. W.
2014; 9 (9)
 - **Oncogene withdrawal engages the immune system to induce sustained cancer regression.** *Journal for immunotherapy of cancer*
Casey, S. C., Li, Y., Fan, A. C., Felsher, D. W.
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