

Mengxiong Wang

Address-

Department of Radiation Oncology
College of Medicine, Stanford University
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Education-

Sep. 2007- Jun. 2012 M.D., Huazhong University of Science and Technology (HUST), China.
Aug. 2013- May 2015 M.P.H., Epidemiology, University of Florida (UF)
Aug. 2015- Aug. 2019 Ph.D., Biomedical Science, University of Florida

Professional Experience-

Sep. 2010-Jun. 2011 Undergraduate Student Research Principal Investigator, Chinese Students Technical Innovative Competition, HUST, China
Jan. 2011-Mar. 2012 Undergraduate Student Research Principal Investigator, Chinese Students Technical Innovative Competition, HUST, China
Jan. 2014-May 2015 Graduate Research Assistant, Cancer Epidemiology, UF
Sep. 2015-Mar. 2016 Graduate Research Assistant, Rotation, Cancer Biology Department, College of Medicine, UF
Mar 2016-now Graduate Assistant, Pharmacology and Therapeutics Department, College of Medicine, UF

Honor Awards-

Sep. 2008 Scholarship, HUST
Sep. 2009 Scholarship, HUST
Oct. 2010 Technical Innovative Competition Awards, China university student science and technology innovation association

Oct. 2011 Technical Innovative Competition Awards, China university student science and technology innovation association

Apr. 2018 Medical Guild Awards, College of Medicine, UF

Oct. 2018 Health Cancer Center Dissertation Award, UF

Oct. 2018 International Center Outstanding Achievement Award, UF

Apr. 2019 Medical Guild Awards, College of Medicine, UF

Aug. 2019 Walter Oppelt Distinguished Trainee Publication Award, College of Medicine, UF

Internship-

May-Sep. 2010 Intern in Preventive Medicine Department, HUST, China

Sep. 2010-Jun. 2012 Intern Doctor in Tongji Hospital, China

Jun. 2014 Intern in Society for Epidemiologic Research Annual Conference,
Seattle, WA

Jan. 2014-May 2015 Intern in Emerging Pathogen Institute lab, UF

Specialized Training and Techniques-

Computer proficiencies: SPSS/SAS/R programming language, Microsoft Excel

Computer skills: PHOTOSHOP/ MS OFFICE SOFTWARE/ MOVIE MAKER/IMAGEJ

Statistical analysis skills: regression/ analysis of variance/ survey sampling/ advanced sampling/
nonparametric methods/ time series analysis/ reliability/ structural equation/ experimental
design/ Chou-Talalay method for synergistic analysis

First or co-first author publications-

Wang, M. et al. (2012), Thoughts on the <Residents Standardized Training>, Chinese Hospital Management, Vol.32 pp.243-245

Wang, M., et al. (2011), Understanding and Supporting of the Residency Survey among Medical Students in Hubei Province, Medicine and Society, Vol.24, No.10 pp. 12-14

Ferreira, R. B., **M. Wang**, M. E. Law, B. J. Davis, A. N. Bartley, P. J. Higgins, M. S. Kilberg, K. E. Santostefano, N. Terada, C. D. Heldermon, R. K. Castellano and B. K. Law (2017). "Disulfide bond disrupting agents activate the unfolded protein response in EGFR- and HER2-positive breast tumor cells." *Oncotarget* 8(17): 28971-28989.

Wang, M., Law M., R. K. Castellano and B. K. Law (2018). The unfolded protein response as a target for anticancer therapeutics, *Critical Reviews in Oncology/Hematology*, Volume 127, Pages 66–79.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2019). A Novel Proteotoxic Combination Therapy for EGFR+ and HER2+ Cancers, *Oncogene*, doi:10.1038/s41388-019-0717-6.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2019). Disulfide Bond Disrupting Agents Activate the Tumor Necrosis Family-Related Apoptosis-Inducing Ligand/Death Receptor 5 Pathway, *Cancer Letters*, in revision.

Wang, M., Law, B. K. Law, M. (2019). Roles of ER Stress and Proteotoxicity in Diseases, *Pharmacology and Therapeutics*, in revision.

Co-author publications-

Law, M. E. **Wang, M.,** Davis, B. J., Narayan, S., Li, C., and Law, B. K. (2019). A STAT3/Survivin Axis in CUB Domain-Containing Protein 1-Mediated Anoikis Evasion, in preparation.

Book chapter-

Wang, M., Law, B. K. Law, M. (2018). Proteotoxicity and endoplasmic reticulum stress-mediated cell death, MECHANISMS OF CELL DEATH AND OPPORTUNITIES FOR THERAPEUTIC DEVELOPMENT. Elsevier (under review).

Oral and poster presentations-

Wang, M. & Wang, Y. (2012), Measurement of the volumes of left atrium and left atrial appendage of normal person through 3-D reconstruction, Dubai: International Conference on Biological and Medical Applications

Wang, M., Patel, C. & Yaghjyan, L. (2014) Breast size and breast cancer risk: a systematic review. Oral presentation at 4th Annual Society for Epidemiologic Research Student and PostDoc Committee (SER-SPC) Student Novel Methods Web Conference, Clearfield, UT.

Wang, M., Chen, X., Jin, J. & Zhu, Y. (2014) Maternal Neuroticism and Low Birth Weight in a Nationally Representative U.S. Sample. Oral presentation at 4th Annual Society for Epidemiologic Research Student and PostDoc Committee (SER-SPC) Student Novel Methods Web Conference, Clearfield, UT.

Wang, M., Chen, X., Jin, J. & Zhu, Y. (2014) Maternal Neuroticism and Birth Weight: a Mediation Analysis. Poster at Child Health Policy's second annual event, Gainesville, FL.

Wang, M., Renan B. Ferreira, Mary E. Law, Bradley J. Davis, Coy D. Heldermon, Ronald K. Castellano, and Brian K. Law (2016), Disulfide bond disrupting agents are novel anti-cancer agents that activate the unfolded protein response. Poster session presented at Cancer Research Day, University of Florida, Gainesville, FL.

Wang, M., Renan B. Ferreira, Mary E. Law, Bradley J. Davis, Coy D. Heldermon, Ronald K. Castellano, and Brian K. Law (2017), Disulfide bond disrupting agents are novel anti-cancer agents that activate the unfolded protein response. College of medicine 2017 celebration of research poster session, University of Florida, Gainesville, FL.

Wang, M., Law M., Corsino, PE., Jahn, SC., Davis, BJ., Chen, Patel, B., Pham, K., Lu, J., Sheppard, B., Norgaard, P., Hong, J., Higgins, P., Kim, J-S., Luesch, H., Law, BK. (2017) Glucocorticoids and histone deacetylase inhibitors cooperate to block the invasiveness of triple-negative breast cancers through novel mechanisms. Oral presentation at The Tumor Microenvironment: Hypoxia, Angiogenesis and Vasculature, 15th International Workshop, Miami, FL.

B. K. Law, M. Law, R. B. Ferreira, **M. Wang**, B. J. Davis, R. K. Castellano, C. D. Heldermon (2017) "Multifaceted Targeting of Drug-Resistant EGFR+ and HER2+ Breast Tumors.", Poster Presentation, AACR Annual Meeting, Washington, DC.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2017). A Novel Proteotoxic Combination Therapy for EGFR+ and HER2+ Cancers, Poster session presented at Cancer Research Day, University of Florida, Gainesville, FL.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2018). A Novel Proteotoxic Combination Therapy for EGFR+ and HER2+ Cancers. College of medicine 2018 celebration of research poster session, University of Florida, Gainesville, FL.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2018). A Novel Proteotoxic Combination Therapy for EGFR+ and HER2+ Cancers, Poster presentation at American Association for Cancer Research Annual meeting 2018, Chicago, IL

Wang, M., Ferreira, R. B., Yaaghubi, E., Law, M., Davis, B. J., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2018) Disulfide Bond Disrupting Agents Activate the Tumor Necrosis Family-Related Apoptosis-Inducing Ligand/Death Receptor 5 Pathway, Poster session presented at Cancer Research Day, University of Florida, Gainesville, FL.

Wang, M., Ferreira, R. B., Law, M., Davis, B. J., Yaaghubi, E., Ghilardi, A. F., Rodriguez, E., Chiang, C. W., Narayan, S., Heldermon, C., Castellano, R. K., Law, B. K. (2019). Disulfide

Bond Disrupting Agents Activate the Tumor Necrosis Family-Related Apoptosis-Inducing Ligand/Death Receptor 5 Pathway, Poster presentation at American Association for Cancer Research Annual meeting 2019, Atlanta, GA.