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EDUCATION

Ph.D. Biochemistry and Biophysics, State University of New York Stony brook, 1999

POSITIONS

Professor, 9/2015 – Present, *California State University Dominguez Hills, Department of Chemistry and Biochemistry*

Visiting Associate Professor, 8/2014 – 12/2014, *Mount Sinai Medical School, Department of Pharmacology and Systems Therapeutics*

Associate Professor, 9/2010 – 9/2015, *California State University Dominguez Hills, Department of Chemistry and Biochemistry*

Assistant Professor, 9/2005 – 9/2010, *California State University Dominguez Hills, Department of Chemistry and Biochemistry*

Beckman Fellow, 6/2001 – 8/2005, *Beckman Research Institute of the City of Hope, Department of Pharmacology and Oncology*

Post Doctoral Fellow, 9/1999 - 6/2001, *Fox Chase Cancer Center, Department of pharmacology*

SELECTED PUBLICATIONS

1. **Wang, T.**, Pickard, A. and Gallo, J. (2016) Histone methylation by temezolomide; a classic DNA methylating anticancer drug. *Anticancer Research* 36: 3289 – 3300.
2. **Wang, T.**, Diaz, A.J. and Yen, Y. (2014) The role of Peroxiredoxin II in chemoresistance of breast cancer cells. *Breast cancer: targets and therapy*. 6: 73-80.
3. Diaz, A.J., Tamae, D., Li, J.J., Yen, Y. and **Wang, T.** (2013) Enhanced radiation response in MCF-7 radioresistant breast cancer cells by targeting Peroxiredoxin II. *Breast cancer: targets and therapy*. 5, 87-101.
4. Mao, Y., Jeong, M., **Wang, T.** and Ba, Y. (2011) Threonine side chain conformations of type I Antifreeze Protein in Interacting with Ice. *J of Solid State NMR*. 39, 7-13.
5. **Wang, T.** Enhanced instruction in the classroom. (2010) eVoice journal. <http://voice.acsup.org/>
6. Liu, X., Mao, Y., Mathias, E., Ma, C., Franco, O., Ba, Y., Kornfield, J.A., **Wang, T.**, Xue, L., Zhou, B.S., Yen, Y. (2008) Study the property of double-ended fluoroalkyl poly(ethylene glycol) hydrogel as a depot for hydrophobic drug delivery using electron paramagnetic resonance technique and cell proliferation assay. *J. of Sol. Gel Sci. Technol.* 45: 269-278.
7. Zhang, Y., Zhou, J., **Wang, T.**, and Cai, L. (2007) High level glucose increases mutagenesis in human lymphoblastoid cells. *Int. J. Biol. Sci.* 2007, 3: 375-379.
8. Shao, J., Zhou, B., Di Bilio, A.J., Zhu, L.J., **Wang, T.**, Qi, C., Shih, J., Yen, Y. (2006) A Ferrous-triapipe complex mediates formation of reactive oxygen species that inactivate human ribonucleotide reductase. *Mol Cancer Ther.* 5:586-92
9. Xue, L., Zhou, B., Liu, X., **Wang, T.**, Shih, J., Qi, C., Yen, Y. (2006) Structurally dependent redox property of ribonucleotide reductase subunit p53R2. *Cancer Research*, 66 (4): 1900-1905.
10. **Wang, T.**, Tamae, D., Shiverly, J.E., Lee, T. and Li, J. J. (2005) The role of Prx II in radioresistant MCF-7 breast cancer cells. *Cancer Research*, 65(22):10338-46.

SELECTED CONFERENCE PRESENTATIONS:

1. **Mura, H., Diaz, AJ, Coello, D., and Wang, T. (2016) Therapeutic benefit of Temozolomide through methylation of proteins. Southern California Undergraduate Research Conference, Long Beach, CA.**
2. Mora, H., Diaz, AJ, Pu, L., Thangavel, A., and Wang T. (2016) Biosynthesis of Chlorambucil-RNA Complex for targeted cancer therapy. CSU Dominguez Hills Student Research Day, Carson, CA.
3. Coello, D., Diaz, AJ, Mora, H., Nguyen, L., Still, P. Choi, HK, Herbert, B and Wang T. (2016) Determine the IC50 of TMZ after EGCG treatment in triple negative breast cancer cells. CSU Dominguez Hills Student Research Day, Carson, CA.
4. **Brooks, B., and Wang, T. (2015) Alkylation of amino acids by anticancer drug Chlorambucil.** ACS West Regional Meeting. San Marcos, CA.
5. **Diaz, AJ and Wang, T. (2015) The effect of chlorambucil and chlorambucil-tempol anticancer drugs on breast cancer cell chemoresistance in MCF-7 breast cancer cells by.** CSU Dominguez Hills Student Research Day, Carson, CA.
6. Diaz, AJ., De La Cruz, N., Chun, H., and Ba, Y. and Wang, T. (2014) The effect of glutathione on the cellular cytotoxicity of chlorambucil, chlorambucil-tempol and ionizing radiation in MCF-7 breast cancer cells. CSU Dominguez Hills Student Research Day, Carson, CA.
7. De La Cruz, N., Pu, L., and Ba, Y. and Wang, T. (2014) Development of Targeted Cancer Therapeutics using Chlorambucil-siRNA Complexes. CSU Dominguez Hills Student Research Day, Carson, CA.
8. Diaz, A., Chun, H., and **Wang, T.** (2012) Ionizing radiation induces cellular toxicity by inhibition of Ca^{2+} efflux. Southern California American Chemical Society Conference, Channel Island, CA.
9. Kohanbash, M, Zamani, P and **Wang, T.** (2012) Optimization of recombinant AFP expression in the *E. Coli* system. CSU Dominguez Hills Student Research Day, Carson, CA.
10. Zamani, P and **Wang, T.** (2011) Expression C^{13} labeled antifreezing protein in the *E. Coli* system. CSU Dominguez Hills Student Research Day, Carson, CA.
11. Diaz, A., Liao, C., and **Wang, T.** (2010) siRNA-PrxII sensitizes radioresistant breast cancer cells by altering cellular protein thiol state. 21th annual CSUPERB symposium, Santa Clara, CA.
12. Diaz, A., Chun, H., Elami, A., Mason, AZ, **Wang, T.** (2009) PrxII has no significant role in A-sensitive mutant cells. 20th annual CSUPERB symposium, Los Angeles, CA.
13. Emoka, C., Diaz, D., Johnson, C., Elami, A., Mason, Z., **Wang, T.** (2008) Differential protein expression profiling between ER-negative breast cancer cells and normal cells using 2 Dproteomics. Southern California Conference for Undergraduate Research, Fullerton, CA.

HONORS

2008: CSUDH sigma Xi society honor award

2008: Selected participant in the 2008 current topics in genomic research at NIH

2001: Beckman Fellowship Award

1999: Sigma Xi excellent in Research Award, State University of New York at Stony Brook

GRANTS

2014: CSUDH NBS grant

2013: CSUDH RSCA grant

2013: Keck foundation Award

2012: NSF#HRD-0802628 LSAMP student training Award

2011: CSUPERB Howell Research Scholar Award

2008: CSUPERB Programmatic Infrastructure Development Grants

2007: CSUDH RSCAAP mini grant

2007: CSUDH RSCAAP summer fellowship Award

2001: Arnold Beckman Foundation - Beckman Fellowship Award

Other Experience and Professional Memberships

Faculty consent group of CSU Program for Education and Research Biotechnology

Member of American Chemical Society

Sigma Xi scientific research society

American Chemical Society Southern California executive committee member

Member of American Association for the Advancement of Science