

# Tieli Wang

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## EDUCATION

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

## POSITIONS

*Mount Sinai Medical School, Department of Pharmacology and Systems Therapeutics, Visiting Associate Professor* 8/14 – present

*California State University Dominguez Hills, Department of Chemistry and Biochemistry, Associate Professor* 9/10 – present

*California State University Dominguez Hills, Department of Chemistry and Biochemistry, Assistant Professor* 9/05 – 9/10

*Beckman Research Institute of the City of Hope, Department of Pharmacology and Oncology, Beckman Fellow* 6/01 – 8/05

*Fox Chase Cancer Center, Department of pharmacology, Post Doctoral Fellow* 9/99 - 6/01

## SELECTED PUBLICATIONS

1. **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.
2. 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.
3. 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.
4. **Wang, T.** Enhanced instruction in the classroom. (2010) eVoice journal. <http://voice.acsup.org/>
5. 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.
6. 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.
7. 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
8. 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.
9. **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.
10. **Wang, T.**, Hu, Y.C., Tamae, D., Ozeki, M., Gao, Q., Gius, D., and Li, J.J. (2005) Co-activation of NF- $\kappa$ B and Erk in protection cells from radiation toxicity. *J Biol Chem.*, Vol. 280, Issue 13, 12593-12601.

## SELECTED CONFERENCE PRESENTATIONS:

1. Diaz, A.J., 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.

2. 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.
3. Diaz, A., Chun, H., and **Wang, T.** (2012) Ionizing radiation induces cellular toxicity by inhibition of Ca<sup>2+</sup> efflux. Southern California American Chemical Society Conference.
4. Kohanbash, M, Zamani, P and **Wang, T.** (2012) Optimization of recombinant AFP expression in the *E. Coli* system. CSU Dominguez Hills Student Research Day.
5. Zamani, P and **Wang, T.** (2011) Expression C<sup>13</sup> labeled antifreezing protein in the E. Coli system. CSU Dominguez Hills Student Research Day.
6. 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.
7. Diaz, A., Chun, H., Elami, A., Mason, AZ, **Wang, T.** (2009) PrxII has no significant role in A-T sensitive mutant cells. 20th annual CSUPERB symposium, Los Angeles.
8. 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 D proteomics. Southern California Conference for Undergraduate Research.
9. Saenz, J., Johnson, C., Diaz, A.J.G., Martinez, L., Choi, HK, **Wang, T.** (2008) Molecular cloning of the PrxII gene for expression and purification of the recombinant protein. Southern California Undergraduate Research Conference in Chemistry and Biochemistry.
10. Saenz, J, Jiang, C., Johnson, C., Choi, HK, Yen, Y. and **Wang, T.** (2008) Molecular cloning of PrxII promoter. CSU Fullerton 50th Anniversary in Celebration of research: strengthening CSU's research collaborations.
11. Saenz, J. and **Wang, T.** (2006) The Role of PRXII in Radiation Resistant Breast Cancer. CSUDH student research day.

## **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