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EDUCATION

Ph.D., Microbiology, University of California, Davis, March 2006.

Bachelor of Science, Biology, National Taiwan Normal University, Taipei, Taiwan, June 1998.

POSITIONS

Assistant Professor. Department of Biochemistry and Molecular Biology, Chang Gung University. February 2019 - present

Researcher. Regeneration Medicine Technology Division, Industrial Technology Research Institute. July 2017- January 2019

Assistant Project Scientist. Department of Biochemistry and Molecular Medicine, University of California, Davis. June 2013- June 2017

Staff Research Associate. Cancer Center, University of California, Davis. May 2012- May 2013

Postdoctoral Fellow. Cancer Center, University of California, Davis. April 2006- March 2012

HONORS

Postdoctoral Travel Award, The American Society for Cell Biology, 2010

Prostate Cancer Research Grant for Postdoc, Department of Defense, 2008-2010

Jastro-Shields Graduate Research Scholarship, UC Davis, 2003

Tuan-Sheng Miu Undergraduate Research Award, National Taiwan Normal University, 1999

PUBLICATIONS

[*First or co-first author]

- * 1. Wang HJ*, Pochampalli M*, **Wang LY***, Zou JX, Li PS, Hsu SC, Wang BJ, Huang SH, Yang P, Yang JC, Chu CY, Tepper CG, Ann DK, Gao AC, Evans CP, Izumiya Y, Chuu CP, Wang WC, Chen HW, and Kung HJ. KDM8/JMJD5 as a dual coactivator of AR and PKM2 integrates AR/EZH2 network and tumor metabolism in CRPC. 2018. Oncogene. 38(1):17-32. **(IF: 6.854, Ranking 33/293: Biochemistry and Molecular Biology)**
2. Shih JW, Chiang WF, Wu Alexander TH, Wu MH, **Wang LY**, Yu YL, Hung YW, Wang WC, Chu CY, Hung CL, Changou C, Yen Y, Kung HJ. Long noncoding RNA LncHIFCAR/MIR31HG is a HIF-1 α co-activator driving oral cancer progression. 2017. Nature Communications. Jun 22;8:15874 **(IF: 12.353, Ranking 3/64: Multidisciplinary Sciences)**

3. Wang J, Wang H, **Wang LY**, Cai D, Duan Z, Zhang Y, Chen P, Zou JX, Xu J, Chen X, Kung HJ, Chen H. Silencing the epigenetic silencer KDM4A for TRAIL and DR5 simultaneous induction and antitumor therapy. 2016. *Cell Death and Differentiation*. 23(11):1886-1896. **(IF: 8.000, Ranking 26/293: Biochemistry and Molecular Biology)**
- * 4. **Wang LY**, Hung CL, Yang J, Chen YR, Izumiya Y, Chen H, Wang WC, Ann D, Kung HJ. KDM4A coactivates E2F1 to regulate PDK-dependent metabolic switch between mitochondrial oxidation and glycolysis. 2016. *Cell Reports*. 16: 3016-3027. **(IF: 8.032, Ranking 28/190: Cell biology)**
- * 5. Shih JW*, **Wang LY***, Hung CL, Kung HJ, Hsieh CL. Non-coding RNAs in castration-resistant prostate cancer: regulation of androgen receptor signaling and cancer metabolism. 2015. *Int J Mol Sci*. 16(12): 28943–28978. **(IF: 3.687, Ranking 90/293: Biochemistry and Molecular Biology)**
- * 6. Hung CL*, **Wang LY***, Yu YL, Chen H, Srivastava S, Petrovics G, Kung HJ. A long non-coding RNA connects c-Myc to tumor metabolism. 2014. *Proc Natl Acad Sci USA*. 111(52):18697-702. **(IF: 9.504, Ranking 5/64: Multidisciplinary Sciences)**
- * 7. Chu CH*, **Wang LY***, Hsu KC*, Chen CC, Cheng HH, Wang SM, Wu CM, Chen TJ, Li LT, Liu R, Hung CL, Yang JM, Kung HJ, Wang WC. KDM4B as a target for prostate cancer: structural analysis and selective inhibition by a novel inhibitor. 2014. *J Med Chem*.(14):5975-85. **(Ranking 3/59: Chemistry, Medical)**
- * 8. **Wang LY**, Kung HJ. Male germ cell-associated kinase is overexpressed in prostate cancer cells and causes mitotic defects via deregulation of APC/C-CDH1. 2012. *Oncogene*. 31(24):2907-18. **(IF: 6.854, Ranking 33/293: Biochemistry and Molecular Biology)**
9. Wu Z, Chang PC, Yang J, Chu CY, **Wang LY**, Chen NT, Desai S, Ma AH, Lo SH, Evans C, Lam K, Kung HJ. Autophagy Blockade Sensitizes Prostate Cancer Cells towards Src Family Kinase Inhibitors. 2010. *Genes and Cancer*, 1 (1): 40-49. **(Ranking 43/198: Cancer Research)**
10. Liu S, Vinall RL, Tepper C, Shi XB, Xue LR, Ma AH, **Wang LY**, Fitzgerald LD, Wu Z, Gandour-Edwards R, deVere White RW, Kung HJ. Inappropriate activation of androgen receptor by relaxin via β -catenin pathway. 2008. *Oncogene* 27: 499–505. **(Ranking 11/198: Cancer Research)**
- * 11. **Wang LY**, Shiozaki K. The fission yeast stress MAPK cascade regulates the *pmp3⁺* gene that encodes a highly conserved plasma membrane protein. 2006. *FEBS Lett* 580: 2409-2413. **(Ranking 50/396: Biochemistry)**
- * 12. **Wang LY**, Shimada K, Morishita M, Shiozaki K. Response of Fission Yeast to Toxic Cations Involves Cooperative Action of the Stress-Activated Protein Kinase Spc1/Sty1 and the Hal4 Protein Kinase. 2005. *Mol. Cell. Biol*. 25:3945-3955. **(Ranking 28/260: Cell Biology)**
13. Lin SJ, **Wang LY**, Huang YJ, Kuo ML. Effect of interleukin (IL)-12 and IL-15 on apoptosis and proliferation of umbilical cord blood mononuclear cells. 2001. *Bone Marrow Transplant*. 28:439-445. **(Ranking 22/123: Hematology)**

Book Chapters

1. Ghosh P, Qui Y, **Wang LY**, Kung HJ. Tyrosine kinome profiling: oncogenic mutations and therapeutic targeting in cancer. *Molecular Oncology: Causes of Cancer and Targets for Treatment*. ISBN: 9780521876629. Editors: Gelmann E, Sawyers C, and Rauscher III F. Cambridge University Press. 2013.
- * 2. **Wang LY**, Guo W, Kim K, Pochampalli M, Hung CL, Izumiya Y, Kung HJ. Histone demethylases in prostate cancer. *Nuclear Signaling Pathways and Targeting Transcription in Cancer*. ISBN: 978-1-4614-8039-6. Editor: Rakesh Kumar. Springer. 2013.

ABSTRACTS AND PRESENTATIONS

1. *Discovery on Target: Targeting Histone Methyltransferases and Demethylases, 2016.*
Wang LY, Hung CL, Yang J, Chen YR, Wang J, Campbell M, Izumiya Y, Chen H, Wang WC, Ann D, Kung HJ. Targeting KDM4A and Mitochondria Metabolism in Prostate Cancer.
2. *American Association for Cancer Research, MYC: From Biology to Therapy, 2014.*
Wang LY, Hung CL, Yu YL, Chen HW, Srivastava S, Petrovics G, Kung HJ. A novel long non-coding RNA connects c-Myc to tumor metabolism.
3. *Innovative Minds in Prostate Cancer Today Conference, 2011.*
Wang LY and Kung HJ. A novel role of Male Germ Cell-Associated Kinase in regulating CDH1-anaphase-promoting complex in prostate cancer cells.
4. *The 50th Annual Meeting of the American Society for Cell Biology, 2010.*
Wang LY and Kung HJ. A novel role of Male Germ Cell-Associated Kinase in regulating CDH1-anaphase-promoting complex in prostate cancer cells
5. *The 49th Annual Meeting of the American Society for Cell Biology, 2009.*
Wang LY and Kung HJ. Male-Germ-Cell-Associated Kinase regulates the activity of APC/C-CDH1 and accurate cell cycle in prostate cancer cells
6. *Gordon Research Conferences: Hormone Action In Development & Cancer, 2007.*
Ma AH, **Wang LY** and Kung HJ. Male Germ Cell-Associated Kinase (MAK), a Male-Specific Kinase Regulated by Androgen, Is a Co-activator of Androgen Receptor in Prostate Cancer Cells
7. *The Third International Fission Yeast Meeting, 2004.*
Wang LY, Shimada K, Shiozaki K. Hal4 protein kinase interacts with the stress MAP kinase and regulates cation homeostasis in fission yeast
8. *The 44th Annual Meeting of the American Society for Cell Biology, 2004.*
Wang LY, Shimada K, Shiozaki K. Hal4 protein kinase interacts with the stress MAP kinase and regulates cation homeostasis in fission yeast