

Dr. Kuan-Ting Lin (Woody)

Computational Postdoc, Cold Spring Harbor Laboratory

kiln@cshl.edu; woodydon777@gmail.com

<https://www.linkedin.com/in/kuan-ting-lin-398185165/>

Education

- *National Yang Ming University (Taiwan)*
Doctor of Philosophy - PhD, Biomedical Informatics, 2008 – 2013
- *West Texas A&M University (USA)*
Master's degree, Business Administration and Management, Information System, 2004 - 2005
- *Chung Hua University (Taiwan)*
Bachelor's degree, Management Information System, 1999 - 2003

Honor and Award

- Research Aboard Fellowship (National Science Council, Taiwan), 2011
- Bioinformatics and Comparative Genome Analysis course (Pasteur Research Centre, France), 2009

Experience

- *Computational Postdoc at Cold Spring Harbor Laboratory (May 2015 - Present)*
- *Computational Postdoc at Taipei Medical University (Jan 2014 - Apr 2015)*
- *PHD Candidate at National Yang Ming University (Sep 2009 - Dec 2013)*
- *Visiting PHD Student at Cold Spring Harbor Laboratory (May 2011 - Apr 2012)*
- *Research Assistant at Academia Sinica, Taiwan (Apr 2006 - Jun 2008)*

Leadership

- *President of Chinese Student Association at West Texas A&M University (2004)*
- *President of Student Association of the Department of Information Management at Chung Hua University (2002 - 2003)*
- *President of Computer Club at Chong-Xian high school (Taiwan) (1998 - 1999)*

Publication

1. Hsu, C.N., Lai, J.M., Liu, C.H., Tseng, H.H., Lin, C.Y., **Lin, K.T.**, *et al.* (2007). Detection of the inferred interaction network in hepatocellular carcinoma from EHCO (Encyclopedia of Hepatocellular Carcinoma genes Online). *BMC Bioinformatics* 8, 66.
2. **Lin, K.T.**, Liu, C.H., Chiou, J.J., Tseng, W.H., Lin, K.L., Hsu, C.N. (2007). Gene Name Service: No-Nonsense Alias Resolution Service for Homo Sapiens Genes. Web Intelligence and Intelligent Agent Technology Workshops, IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology.
3. Kuo, C.J., Ling, M.H.T., **Lin, K.T.**, Hsu, C.N. (2009). BIOADI: a machine learning approach to identifying abbreviations and definitions in biological literature. *BMC Bioinformatics* 10(Suppl 15):S7.
4. Liu C.H., **Lin K.T.**, *et al.* (2010) Genome-Wide Detection of Putative Oncofetal Genes in Human Hepatocellular Carcinoma by Splicing Pattern Comparison. *iConcept Transaction on Computational Intelligence in Bioinformatics (TCIB)*. 1(1).
5. Lan, M.Y., Chen, C.L., **Lin, K.T.**, *et al.* (2010). From NPC therapeutic target identification to potential treatment strategy. *Mol Cancer Ther* 9, 2511-2523.
6. Chen, M.H., Yang, W.L., **Lin, K.T.**, Liu, C.H., *et al.* (2011). Gene expression-based chemical genomics identifies potential therapeutic drugs in hepatocellular carcinoma. *PLoS One* 6, e27186.

7. Liu, C.H., Chen, T.C., Chau, G.Y., Jan, Y.H., Chen, C.H., Hsu, C.N., **Lin, K.T.**, *et al.* (2013). Analysis of protein-protein interactions in cross-talk pathways reveals CRKL protein as a novel prognostic marker in hepatocellular carcinoma. *Mol Cell Proteomics* 12, 1335-1349.
8. Chen, T.C., **Lin, K.T.**, *et al.* (2014). Using an in situ proximity ligation assay to systematically profile endogenous protein-protein interactions in a pathway network. *J Proteome Res* 13, 5339-5346.
9. Lan, M.Y., Yang W.L., **Lin, K.T.**, *et al.* (2014). Using computational strategies to predict potential drugs for nasopharyngeal carcinoma. *Head Neck* 36, 1398-1407.
10. Wu, P.J., Wu, W.H., Chen, T.Z., **Lin, K.T.**, *et al.* (2014). Reconstruction and analysis of a signal transduction network using HeLa cell protein-protein interaction data. *Journal of the Taiwan Institute of Chemical Engineers* 45(6), 2835-2842.
11. **Lin, K.T.**, Shann, Y.J., Chau, G.Y., Hsu, C.N., and Huang, C.Y. (2014). Identification of latent biomarkers in hepatocellular carcinoma by ultra-deep whole-transcriptome sequencing. *Oncogene* 33, 4786-4794.
12. Jhuang, H.J., Hsu, W.H., **Lin, K.T.**, *et al.* (2015). Gluconeogenesis, lipogenesis, and HBV replication are commonly regulated by PGC-1alpha-dependent pathway. *Oncotarget* 6, 7788-7803.
13. Won, S.J., Wu, H.C., **Lin, K.T.**, *et al.* (2015). Discovery of molecular mechanisms of lignan justicidin A using L1000 gene expression profiles and the Library of Integrated Network-based Cellular Signatures database. *Journal of Functional Foods* 16.
14. **Lin, K.T.**, Ma, W.K., Scharner, J., Liu, Y.R., Krainer, A.R. (2018). A human-specific switch of alternatively spliced AFMID isoforms contributes to TP53 mutations and tumor recurrence in hepatocellular carcinoma. *Genome Res* 28, 275-284.