

# Curriculum Vitae

## Heng-Hsiung Wu (吳恒祥), Ph.D.

### CONTACT INFORMATION

Postdoctoral Fellow

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### RESEARCH INTERESTS

cancer biology, molecular biology, mechanisms of toxicology

### EDUCATION/TRAINING

2011-2016 **Genomics Research Center, Academia Sinica (Postdoctoral Fellow)**

Advisor: Dr. Wen-Hwa Lee and Eva Y.-H. P. Lee

Research topic:

Investigation of the roles of IL-17RB in pancreatic cancer development.

2003-2010 **Ph.D., Institute of Medical and Molecular Toxicology, Chung Shan**

**Medical University**

Advisor: Dr. Huei Lee

Research topic:

1. To explore the oncogenic roles of HPV16/18 E6 in lung tumor progression.

2. Characterization of the underlying mechanism of cytoplasmic Ape/Ref-1-induced lung cancer malignancy

2001-2003 **M. S., Institute of Medical and Molecular Toxicology, Chung Shan**

**Medical University**

Advisor: Dr. Huei Lee

Research topic:

Cooking oil Fuel: Its role in Taiwanese nonsmoking female lung cancer

1997-2001 **B. S., Department of Medical Technology, Chung Shan Medical University**

## HONORS AND AWARDS

- Taiwan National Science Council Postdoctoral Fellow Academic Publication Award (2016)
- GRC Outstanding Performance Awards (2016)
- Academia Sinica Postdoctoral Fellowship Grant (2015).
- Academia Sinica Postdoctoral Fellowship Grant (2012).
- The member of the Phi Tau Phi Scholastic Honor Society (2010).
- Poster Award of Toxicology Society of Taiwan, the 22<sup>rd</sup> Joint Annual Conference of Biomedical Sciences (2007)
- The member of the Phi Tau Phi Scholastic Honor Society (2003).

## PUBLICATIONS (\* equal contribution)

1. Lee W.H., **H.H. Wu**, C.K. Huang, 2015. Targeting interleukin-17 receptors. *Oncotarget* 6(21):18244-5
2. **Wu, H.H.\***, W. Hwang-Verslues\*, W.H. Lee, C.K. Huang, P.C. Wei, C.L. Chen, J.Y. Shew, E.Y. Lee, Y.M. Jeng, Y.W. Tien, C. Ma, W.H. Lee. 2015. Targeting IL-17B/RB signaling with an anti-IL-17RB antibody blocks pancreatic cancer metastasis by silencing multiple chemokines. *The journal of experimental medicine* 212(3):333-49
3. Huang, C.K., C.Y. Yang, Y.M. Jeng, C.L. Chen, **H.H. Wu**, Y.C. Chang, C. Ma, W.H. Kuo, K.J. Chang, J.Y. Shew, and W.H. Lee. 2014. Autocrine/paracrine mechanism of interleukin-17B receptor promotes breast tumorigenesis through NF-kappaB-mediated antiapoptotic pathway. *Oncogene* 33:2968-2977.
4. **Wu, H.H.**, Y.C. Chu, L. Wang, L.H. Tsai, M.C. Lee, C.Y. Chen, S.H. Shieh, Y.W. Cheng, and H. Lee. 2013. Cytoplasmic Ape1 expression elevated by p53 aberration may predict survival and relapse in resected non-small cell lung cancer. *Annals of surgical oncology* 20 Suppl 3:S336-347.
5. Tung, M.C.\*, **H.H. Wu\***, Y.W. Cheng, L. Wang, C.Y. Chen, S.D. Yeh, T.C. Wu, and H. Lee. 2013. Association of epidermal growth factor receptor mutations with human papillomavirus 16/18 E6 oncoprotein expression in non-small cell lung cancer. *Cancer* 119:3367-3376.
6. **Wu, H.H.**, J.Y. Wu, Y.W. Cheng, C.Y. Chen, M.C. Lee, Y.G. Goan, and H. Lee. 2010b. cIAP2 upregulated by E6 oncoprotein via epidermal growth factor receptor/phosphatidylinositol 3-kinase/AKT pathway confers resistance to cisplatin in human papillomavirus 16/18-infected lung cancer. *Clinical cancer research* 16:5200-5210.
7. **Wu, H.H.**, Y.W. Cheng, J.T. Chang, T.C. Wu, W.S. Liu, C.Y. Chen, and H. Lee. 2010a. Subcellular localization of apurinic endonuclease 1 promotes lung tumor aggressiveness via NF-kappaB activation. *Oncogene* 29:4330-4340.

8. Tung, J.N.\*, **H.H. Wu\***, C.C. Chiang, Y.Y. Tsai, M.C. Chou, H. Lee, and Y.W. Cheng. 2010. An association between BPDE-like DNA adduct levels and CYP1A1 and GSTM1 polymorphisms in pterygium. *Molecular vision* 16:623-629.

#### **CONFERENCE PRESENTATIONS**

1. NF- $\kappa$ B activation by cytoplasmic APE1 contribute to lung tumor malignancy, in 前瞻生物醫學科學新知研討會暨第七屆海峽兩岸生物醫學會議 2008/06/27-2008/06/28
2. Resistance to Cisplatin Promoted by E6 via Induction of Antiapoptotic c-IAP2, in the 23<sup>rd</sup> Joint Annual Conference of Biomedical Sciences 2008/03/29-2008/03/30
3. The Induction of COX-2 and IL-6 by Human Ape/Ref-1 through NF- $\kappa$ B Pathway May Contribute to Lung Tumor Progression, in the 22<sup>rd</sup> Joint Annual Conference of Biomedical Sciences 2007/03/17-2007/03/18