

英文姓名

POSITION/AFFILIATIONS VICE PRESIDENT, KAOHSIUNG MEDICAL UNIVERSITY		CONTACT INFORMATION Name(中/英) 洪文俊/Wen-Chun Hung Address: No.100, Shin-Chuan 1st Road, Sanmin Dist., Kaohsiung City, 80708, Taiwan Tel. 886-7-312-1101 ext.2101~2103 Fax. 886-7-321-2062 e-mail: hung1228@kmu.edu.tw		
EDUCATION				
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY	
Kaohsiung Medical University, Taiwan	Bachelor	1981/9~1985/6	School of Technology for Medical Sciences	
Yang Ming University, Taiwan	Master	1985/9~1987/6	Institute of Neuroscience	
Kaohsiung Medical University, Taiwan	PhD	1990/9~1994/1	Graduate Institute of Medicine	

Research Interests

1. Epigenetic alteration in cancer development and progression
2. Study of lymphangiogenesis and lymphatic metastasis
3. Development of therapeutic drugs (small molecules and biologics)

Positions and Employment

2000-2001 Chair, Division of Registration and Curriculum, Office of Academic Affairs, Kaohsiung Medical University, Kaohsiung, Republic of China.

2001-2003 Chair, Division of Graduate Academic Affairs, Office of Academic Affairs, Kaohsiung Medical University, Kaohsiung, Republic of China.

2003-2004 Director, Functional Proteomics Research Center, Kaohsiung Medical University, Kaohsiung, Republic of China.

2004-2008 Director, Institute of Biomedical Sciences, National Sun Yat-Sen University, Kaohsiung, Republic of China.

2008-2011 Dean, College of Science, National Sun Yat-Sen University, Kaohsiung Republic of China.

2011-2018 Deputy Director, National Institute of Cancer Research, National Health Research Institutes, Tainan, Republic of China.

Awards

1. The Outstanding Research Award, National Science Council, Republic of China
2. Outstanding Research Award, The Chinese Oncology Society, Republic of China
3. The 1st Yung Shin Lee Tian-De Medical and Pharmaceutical Science and Technology Awards-Young Scientist Research Scholarship
4. Distinguished Research Professor, National Sun Yat-Sen University
5. Outstanding Alumina, Kaohsiung Medical University (Academic Category)
6. Xi-Wan Chair Professor, National Sun Yat-Sen University
7. Chair, Domain of Microbiology, Immunology and Medical Technology, National Science Council, Taiwan

Academic Services

- 1989-1994 Lecturer, School of Technology for Medical Sciences, Kaohsiung Medical University, Kaohsiung, Republic of China.
- 1994-1999 Associate Professor, School of Technology for Medical Sciences, Kaohsiung Medical University, Kaohsiung, Republic of China.
- 1999-2004 Professor, School of Technology for Medical Sciences, Kaohsiung Medical University, Kaohsiung, Republic of China.
- 2004-2008 Distinguished Professor, Institute of Biomedical Sciences, National Sun Yat-Sen University, Kaohsiung, Republic of China.
- 2008-2011 Xi-Wan Chair Professor, College of Sciences, National Sun Yat-Sen University, Kaohsiung, Republic of China.
- 2011-2018 Investigator, National Institute of Cancer Research, National Health Research Institutes, Tainan, Republic of China.

Selected publications

1. Chen JY, Li CF, Kuo CC, Tsai KK, Hou MF, **Hung WC***. (2014) Cancer/stroma interplay via cyclooxygenase-2 and indoleamine 2,3-dioxygenase promotes breast cancer progression. *Breast Cancer Research* 16:410.
2. Lai YS, Chen JY, Tsai HJ, Chen TY, **Hung WC***. (2015) The SUV39H1 inhibitor chaetocin induces differentiation and shows synergistic cytotoxicity with other epigenetic drugs in acute myeloid leukemia cells. *Blood Cancer Journal* 5:e313.
3. Chen HM, Tsai CH, **Hung WC***. (2015) Foretinib inhibits angiogenesis, lymphangiogenesis and tumor growth of pancreatic cancer in vivo by decreasing VEGFR-2/3 and TIE-2 signaling. *Oncotarget* 6:14940-14952.
4. Pan MR, Hsu MC, Chen LT, **Hung WC***. (2015) G9a orchestrates PCL3 and KDM7A to promote histone H3K27 methylation. *Scientific Reports* 5:18709.

5. Kuo TL, Weng CC, Kuo KK, Chen CY, Wu DC, **Hung WC**, Cheng KH. (2016) APC haploinsufficiency coupled with p53 loss sufficiently induces mucinous cystic neoplasms and invasive pancreatic carcinoma in mice. *Oncogene* 35:2223-2234.
6. Weng CC, Kuo KK, Su HT, Hsiao PJ, Chen YW, Wu DC, **Hung WC**, Cheng KH. (2016) Pancreatic tumor progression associated with CD133 overexpression: Involvement of increased TERT expression and epidermal growth factor receptor-dependent Akt activation. *Pancreas* 45:443-457.
7. Pan MR, Li K, Lin SY, **Hung WC***. (2016). Connecting the Dots: From DNA Damage and Repair to Aging. *International Journal of Molecular Science* 17: E685. (Invited Review Article).
8. Pan MR, Hsu MC, Luo CW, Chen LT, Shan YS, **Hung WC***. (2016) The histone methyltransferase G9a as a therapeutic target to override gemcitabine resistance in pancreatic cancer. *Oncotarget*. 7(38):61136-61151.
9. Chen JY, Lai YS, Tsai HJ, Kuo CC, Yen BL, Yeh SP, Sun HS, **Hung WC***. (2016) The oncometabolite R-2-hydroxyglutarate activates NF- κ B-dependent tumor-promoting stromal niche for acute myeloid leukemia cells. *Scientific Reports* 6:32428.
10. Chen JY, Luo CW, Lai YS, Wu CC, **Hung WC***. (2017) Lysine demethylase KDM2A inhibits TET2 to promote DNA methylation and silencing of tumor suppressor genes in breast cancer. *Oncogenesis* 6(8):e369.
11. Weng CC, Hawse JR, Subramaniam M, Chang VHS, Yu WCY, **Hung WC**, Chen LT, Cheng KH. (2017) KLF10 loss in the pancreas provokes activation of SDF-1 and induces distant metastases of pancreatic ductal adenocarcinoma in the KrasG12D p53flox/flox model. *Oncogene* 36:5532-5543.
12. Pan MR, Hsu MC, Chen LT, **Hung WC***. (2018) Orchestration of H3K27 methylation: mechanisms and therapeutic implication. *Cellular Molecular Life Science* 75:209-223.
13. Hsu MC, **Hung WC***. (2018) Pyruvate kinase M2 fuels multiple aspects of cancer cells: from cellular metabolism, transcriptional regulation to extracellular signaling. *Molecular Cancer* 17:35.
14. Hsu MC, Pan MR, Chu PY, Tsai YL, Tsai CH, Shan YS, Chen LT, **Hung WC***. Protein Arginine Methyltransferase 3 Enhances Chemoresistance in Pancreatic Cancer by Methylating hnRNPA1 to Increase ABCG2 Expression. *Cancers (Basel)*. 2018 Dec 20;11(1). pii: E8.
15. Weng CC, Ding PY, Liu YH, Hawse JR, Subramaniam M, Wu CC, Lin YC, Chen CY, **Hung WC**, Cheng KH. (2019) Mutant Kras-induced upregulation of CD24 enhances prostate cancer stemness and bone metastasis. *Oncogene* 38:2005-2019.
16. Kuo TL, Cheng KH, Shan YS, Chen LT and **Hung WC*** (2019) β -catenin-activated autocrine PDGF/Src signaling is a therapeutic target in pancreatic cancer. *Theranostics* 9:324-336.
17. Chen JY, Lai YS, Chu PY, Chan SH, Wang LH, **Hung WC***. (2019) Cancer-Derived VEGF-C Increases Chemokine Production in Lymphatic Endothelial Cells to Promote CXCR2-Dependent Cancer Invasion and MDSC Recruitment. *Cancers (Basel)*. 11(8). pii: E1120.

18. Weng CC, Hsieh MJ, Wu CC, Lin YC, Shan YS, **Hung WC**, Chen LT, Cheng KH. (2019) Loss of the transcriptional repressor TGIF1 results in enhanced Kras-driven development of pancreatic cancer. *Mol Cancer*. 20;18(1):96.
19. Kuo TL, Cheng KH, Chen LT, **Hung WC***. (2019) Deciphering The Potential Role of Hox Genes in Pancreatic Cancer. *Cancers (Basel)*. 11(5). pii: E734.
20. Hsu MC, Tsai YL, Lin CH, Pan MR, Shan YS, Cheng TY, Cheng SH, Chen LT, **Hung WC***. (2019) Protein arginine methyltransferase 3-induced metabolic reprogramming is a vulnerable target of pancreatic cancer. *J Hematol Oncol*. 12(1):79.

Patents

1. Selective sialyltransferase inhibitors in the inhibition of tumor growth and metastasis.
2. Bi-functional antibody targeting VEGFR2 and VEGFR3.