

Personal Resume

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<https://researchoutput.ncku.edu.tw/zh/persons/ju-ming-wang>

**Education History:

Years	Degree	Department and Institutes
1989/09- 1993/06	B.S.	Department of Biology, Fu-Jen Catholic University, TW
1993/07- 1995/07	M.S.	Institute of Biotechnology, National Taiwan Ocean University, TW
1995/08- 1999/12	Ph.D.	Institute of Life Science, National Defense Medical Center, TW

**Position and Employment:

2016/08-now	Distinguished Professor, NCKU
2019/02-now	Vice President for Academic Affairs
2016/08-now	Professor, Department of Biotechnology and Bioindustry Sciences
2013/01-now	Adjunct Professor, Institute of Medical Sciences, TMU
2017/09-now	Adjunct Professor, Institute of Medicine, KMU
2012/09-now	Adjunct Professor, Institute of Pharmacology, NCKU
2012/09-now	Adjunct Professor, Institute of Basic Medical Sciences, NCKU

Experiences:

2015/02-2019/01	Director of Center for Faculty Development
2015/02-2019/01	Associate Vice President for Academic Affairs
2015/02-2017/12	Director of Yunlin Chiayi and Tainan Regional Teaching Resource Center, NCKU, TW
2013/08-2016/07	Director of Institute of Bioinformatics and Biosignal Transduction, NCKU, TW
2012/09-2016/07	Professor, Institute of Bioinformatics and Biosignal Transduction, NCKU, TW
2009/09-2012/08	Associate Professor, Institute of Bioinformatics and Biosignal Transduction, NCKU, TW
2006/09-2009/08	Assistant Professor, Institute of Biosignal Transduction, NCKU, TW
2018/06-2018/08	Visiting Research Scholar, IMCO, MD Anderson cancer center, USA
2019/07-2019/08	Visiting Research Scholar, IMCO, MD Anderson cancer center, USA
2013/07-2013/09	Visiting Research Scholar, Department of Pharmacology, Kyoto University, JP

2012/07-2012/09	Visiting Research Scholar, Department of Pharmacology, Kyoto University, JP
2011/07-2011/09	Visiting Research Scholar, Department of Biological Chemistry, UC Irvine, USA
2005/03-2006/08	Postdoctoral, Department of Biological Chemistry, UC Irvine, USA
2004/11-2005/02	Research Assistant Professor, Institute of Pharmacology, NCKU, TW
2003/02-2004/10	Postdoctoral, Institute of Pharmacology, NCKU, TW
2000/01-2003/01	Postdoctoral, Institute of Molecular Biology, Academia Sinica, TW

****Publications: (* corresponding author)**

1998 (papers published before being a faculty in NCKU)

1. Hu, CH*, Wang, JM, Tseng, HB. The first high-mobility-group box of upstream binding factor assembles across-over DNA junction by basic residues. **Biochem. J.** 1998, 333 (1):51-6.
2. # Chao, JR, # Wang, JM, Lee, SF, Peng, HW, Lin, YH, Chou, CH, Li, JC, Huang, HM, Chou, CK, Kuo, ML, Yen, JJ, Yang-Yen, HF*. Mcl-1 is an immediate-early gene activated by the granulocyte-macrophage colony-stimulating factor (GM-CSF) signaling pathway and is one component of the GM-CSF viability response. **Mol. Cell Biol.** 1998, 18(8):4883-98. (#: equal contribution)
3. Wang, JM, Chao, JR, Chen, W, Kuo, ML, Yen, JJ, Yang-Yen, HF*. The antiapoptotic gene mcl-1 is up-regulated by toll 3-kinase/Akt signaling pathway through a transcription factor complex containing CREB. **Mol. Cell Biol.** 1999, 19(9):6195-206.
4. Epling-Burnette, PK, Liu, JH, Catlett-Falcone, R, Turkson, J, Oshiro, M, Kothapalli, R, Li, Y, Wang, JM, Yang-Yen, HF, Karras, J, Jove, R, Loughran, TP Jr*. Inhibition of STAT3 signaling leads to apoptosis of leukemic large granular lymphocytes and decreased Mcl-1 expression. **J. Clin. Invest.** 2001, 107(3): 351-62.
5. Wang, JM, Lai, MZ, Yang-Yen, HF*. Interleukin-3 stimulation of mcl-1 gene transcription involves activation of the PU.1 transcription factor through a p38 mitogen-activated protein kinase-dependent pathway. **Mol. Cell Biol.** 2003, 23(6):1896-909.
6. Wang, JM, Tseng, JT, Chang, WC*. Induction of human NF-IL6 β by epidermal growth factor is mediated through p38 signaling pathway and CREB activation in A431 cells. **Mol. Biol. Cell** 2005, 16(7):3365-3376.
7. Wang, JM, Ko, CY, Chen, LC, Wang, WL, Chang, WC*. Functional role of NF-IL6 β and its sumoylation and acetylation modifications in promoter activation of cyclooxygenase 2 gene. **Nuc. Acids Res.** 2006, 34(1):217-231.
8. #Furuta, S, #Wang, JM, Zeng, WS, Jeng, YM, Jiang, Xzi, Gu, BN, Chen, PL, Lee, EY, Lee, WH*. Removal of BRCA1/CtIP tumor suppressors releases ANG1 repression mediated by ZBRK1 and leads to pronounced vasculature and growth of breast tumor. **Cancer Cell.** 2006, 10(1):13-24. (#: equal contribution)
9. Chiang, BT, Liu, YW, Chen, BK, Wang, JM, Chang WC*. Direct interaction of C/EBP δ and Sp1 at the GC-enriched promoter region synergizes the IL-10 gene transcription in mouse macrophage. **J Biomed Sci.** 2006, 13(5):621-35.
10. Liu, YW*, Chen, CC, Wang, JM, Chang, WC, Huang, YC, Chung, SY, Chen, BK and Hung, JJ. Role of transcriptional factors Sp1, c-Rel, and c-Jun in LPS-induced C/EBP δ gene expression of mouse macrophages. **Cellular and Molecular Life Sciences** 2007, 64(24):3282-94.

2008 (papers published after being a faculty in NCKU)

11. Huang CC, Wang JM, Kikkawa U, Mukai H, Shen MR, Morita I, Chen BK, Chang WC. Calcineurin-mediated dephosphorylation of c-Jun Ser-243 is required for c-Jun protein stability and cell transformation. **Oncogene.** 2008, 10;27(17):2422-2429.

12. Lai, PH, Wang,WL, Ko, CY, Lee, YC, Yang, WM, Shen, TW, Chang, WC and **Wang, JM**. HDAC1/HDAC3 modulates PPARG2 transcription through the sumoylated CEBPD in hepatic lipogenesis. **BBA-Mol. Cell Res.** 2008, 1783: 1803-1814.
13. Chuang, HC, **Wang, JM**, Hsieh, WC, Chang, Y, and Su, IJ. Upregulation of ATF5 suppresses SAP expression to activate T cells in hemophagocytic syndrome associated with EBV infection an immune disorders. **Am. J. Pathol.** 2008, 173(5):1397-405.
14. Wang, WL, Lee, YC, Yang, WM, Chang, WC, **Wang, JM**. Sumoylation of LAP1 is involved in the HDAC4-mediated repression of COX-2 transcription. **Nuc. Acids Res.** 2008, 36 (19): 6066-6079.
15. Ko, CY, Hsu, HC, Shen, MR, Chang, WC, and **Wang, JM**. Epigenetic silencing of CEBPD activity by YY1/PcG/DNMTs complex. **J. Biol. Chem.** 2008, 283(45):30919-30932.
16. Pan MH, Chiou YS, Chen WJ, **Wang JM**, Badmaev V and Ho CT*. Pterostilbene inhibited tumor invasion via suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells. **Carcinogenesis** 2009, 30(7):1234-1242.
17. Kuo YC, Lai CS, **Wang JM**, Badmaev V, Nagabhushanam K, Ho CT and Pan MH*. Differential inhibitory effects of inotilone on inflammatory mediator, iNOS and COX-2, in LPS-stimulated murine macrophage. **Mol. Nut. & Food Res.** 2009, 53(11):1386-95.
18. Lai CS, Lee JH, Ho CT, Liu CB, **Wang JM**, Wang YJ and Pan MH*. Rosmanol potently inhibits lipopolysaccharide-induced iNOS and COX-2 expression through downregulating MAPK, NF-kappaB, STAT3 and C/EBP signaling pathways. **J Agric Food Chem.** 2009, 25; 57(22):10990-8.
19. Lin LF, Chuang CH, Liao CC, Cheng CP, Cheng TL, S, MR, Chang, WC, Lee WH* and **Wang JM***. ZBRK1 acts as a metastatic suppressor by directly regulating cell motility gene, MMP9, in cervical cancer. **Cancer research (2019 IF=8.4)** 2010, 1; 70(1):192-201.
20. Hour TC, Lai YL, Kuan CI, Chou CK, **Wang JM**, Tu HY, Hu HT, Lin CS, Wu WJ, Pu YS, Sterneck E and Huang AM*. Transcriptional up-regulation of SOD1 by CEBPD: a potential target for cisplatin resistant human urothelial carcinoma cells. **Biochem Pharmacol.** 2010, 80(3), 325-334.
21. Liao CC, Tsai CY, Chang WC, Lee WH*, and **Wang JM***. RB/E2F1 complex mediates DNA damage responses through transcriptional regulation of ZBRK1. **J. Biol. Chem.** 2010; 285(43):33134-33143.
22. Pan YC, Li CF, Ko CY, Pan MH, Chen PJ, Tseng JT, Wu WC, Chang WC, Huang AM, Sterneck E, and **Wang JM***. CEBPD reverses RB/E2F1-mediated gene repression and participates in HMDB-induced apoptosis of cancer cells. **Clinical Cancer Research** 2010, 16(23):5770-5780.
23. Balamurugan K, **Wang JM**, Tsai HH, Sharan S, Anver M, Leighty R and Sterneck E*, The tumor suppressor CCAAT/Enhancer binding protein delta inhibits FBXW7 expression and promotes mammary tumor metastasis. **EMBO J.** 2010, 29(24):4106-4117.
24. SR Wu, CF Li, LY H, AM H, JT Tseng, JH Tsou and **Wang JM***. CCAAT/enhancer binding protein delta mediates TNFalpha-induced aurora kinase C transcription and promotes genomic instability. **J. Biol. Chem.** 2011, 286(33): 28662-28670.
25. Tsou JH, Chang KC, Chang-Liao PY, Yang ST, Lee CT, Chen YP, Lee YC, Lin BW, Lee JC, Shen MR, Chuang CK, Chang WC, **Wang JM*** and Hung LY*, Aberrantly expressed AURKC enhances the transformation and tumorigenicity of epithelial cells. **J of Pathology** 2011, 225(2):243-254.
26. RoySarka T, Sharan S, Wang J, Pawar SA, Cantwell CA, Johnson PF, Morrison DK, **Wang JM**, and Sterneck E*. Identification of a Src Tyrosine Kinase/SIAH2 E3 Ubiquitin Ligase Pathway that Regulates C/EBPδ Expression and Contributes to Transformation of Breast Tumor Cells. **Mol. Cell Biol.** 2012, 32(2):320-32.

27. Chuang CH, Chuang KH, Wang HE, Roffler SR, Shiea JT, Tzou SC, Cheng TC, Kao CH, Wu SY, Tseng WL, Shiea J, Cheng CM, Chen BM, **Wang JM*** and Cheng TL*, In vivo positron emission tomography imaging of protease activity by generation of a hydrophobic product from a non-inhibitory protease substrate. **Clinical Cancer Research** 2012; 18(1):238-247.
28. Ko CY, Chang LH, Lee YC, Cheng CP, Chen SH, Huang AM, Sterneck E, Tseng JT, **Wang JM***. CCAAT/enhancer binding protein delta (CEBPD) elevating PTX3 expression inhibits macrophage-mediated phagocytosis of dying neuron cells. **Neurobiology of Aging** 2012, 33(2):422.e11-25.
29. Li CF[#]; Fang FM[#]; **Wang JM[#]**; Tzeng CC; Tai HC; Wei YC; Li SH; Lee YT; Wang YH; Yu SC; Shiue YL; Chu YW; Wang WL; Chen LT; Huang HY*. EGFR nuclear import in gallbladder carcinoma: nuclear phosphorylated EGFR upregulates iNOS expression and confers independent prognostic impact. **Annals of Surgical Oncology** 2012; 19(2):443-54. (#: equal contribution).
30. Li CF, **Wang JM**, Kang HY, Huang CK, Wang JW, Fang FM, Wang YH, Wu WR, Li SH, Yu SC, Lee JC, Lan J, Shiue YL, Wu LC, Huang HY*. Characterization of Gene Amplification-Driven SKP2 Overexpression in Myxofibrosarcoma: Potential Implications in Tumor Progression and Therapeutics. **Clinical Cancer Research** 2012, 18(6):1598-1610.
31. Chang LH, Huang HS, Wu PT, Jou IM, Pan MH, Chang WC, Wang DDH, **Wang JM***, Role of macrophage CCAAT/enhancer binding protein delta in the pathogenesis of rheumatoid arthritis in collagen-induced arthritis mice. **PLoS ONE** 2012, 7(9): e45378.
32. Wei PC, Hsieh YH, Su MI, Jiang X, Hsu PH, Lo WT, Weng JY, Jeng YM, **Wang JM**, Chen PL, Chang YC, Lee KF, Tsai MD, Shew JY, Lee WH*, Loss of the Oxidative Stress Sensor NPGPx Compromises GRP78 Chaperone Activity and Induces Systemic Disease. **Mol. Cell** 2012, 48(5):747-59.
33. Lin DY, Huang CC, Hsieh YT, Lin HC, Pao PC, Tsou JH, Lai CY, Hung LY, **Wang JM**, Chang WC, Lee YC*. Analysis of the interaction between Zinc finger protein 179 (Znf179) and promyelocytic leukemia zinc finger (Plzf). **J Biomed Sci.** 2013 20; 20:98.
34. Hsiao YW, Li CF, Chi JY, Tseng JT, Chang Y, Hsu LJ, Lee CH, Chang TH, Wang SM, Wang DDH, Cheng HC, **Wang JM***, CCAAT/Enhancer Binding Protein delta in Macrophages Contributes to Immunosuppression and Inhibits Phagocytosis in Nasopharyngeal Carcinoma. **Science Signaling** 2013, 6(284): ra59.
35. Lin LF, Li CF, Yang WM, Wang DDH, Chang WC, Lee WH and **Wang JM***, Loss of ZBRK1 contributes to the increase of KAP1 and promotes KAP1-mediated metastasis and invasion in cervical cancer. **PLoS ONE** 2013 8(8): e73033.
36. Ko CY, Wang WL, Wang SM, Chu YY, Wang DDH, Chang WC and **Wang JM***, Role of GSK3 β -mediated CEBPD phosphorylation in astrocytes contributes to promote migration and activation of microglia/macrophages. **Neurobiology of Aging** 2014, 35(1):24-34.
37. Chuang CH, Wang WJ, Li CF, Ko CY, Chou YH, Chuu CP, Cheng TL* and **Wang JM***, The combination of the prodrugs perforin-CEBPD and perforin-granzyme B efficiently enhances the activation of caspase signaling and kills prostate cancer. **Cell Death and Disease** 2014, 5, e1220.
38. Li J, Shan F, Xiong G, **Wang JM**, Wang WL, Bai Y and Xu X, Transcriptional regulation of miR-146b by C/EBPbeta LAP2 in esophageal cancer cells, **Biochemical and Biophysical Research Communications** 2014, 446 (1), 267-71.
39. Li J, Shan F, Xiong G, Chen X, Guan X, **Wang JM**, Wang WL, Xu X and Bai Y, Epidermal Growth Factor-Induced C/EBPbeta Participates in Epithelial-Mesenchymal Transition by Dampening miR-203 in Esophageal Squamous Cell Carcinoma, **J. Cell Sci.** 2014, 127 (Pt 17):3735-44.

40. Hou MF, Tsai YT, Chien HC, Chang CM, Chuang HY, **Wang JM**, Shiurba R, Chang WC and Chang WC, Function of DNA methyltransferase 3a in lead (Pb²⁺)-Induced *Cyclooxygenase-2* gene. **Environmental Toxicology** 2015; 30(9):1024-32.
41. Wang SM, Lai MD, Lee YC, Lin DY, Ko CY, Pao PC, Hsieh YT and **Wang JM***, Increase of Zinc Finger Protein 179 in Response to CCAAT/Enhancer Binding Protein Delta Conferring an Antiapoptotic Effect in Astrocytes of Alzheimer's Disease. **Mol. Neurobiology** 2015, 51(1):370-82.
42. Ko CY, Chu YY, Narumiya S, Chi JY, Furuyashiki T, Aoki T, Wang SM, Chang WC and **Wang JM***. The CCAAT/enhancer binding protein delta/miR135a/thrombospondin 1 axis mediates PGE2-induced angiogenesis in Alzheimer's disease. **Neurobiology of Aging** 2015, 36(3):1356-68.
43. Ko CY, Chang WC and **Wang JM***, Biological roles of CCAAT/Enhancer-binding protein delta during inflammation. **J Biomed Sci.** 2015, 22(1): 6.
44. Chi JY, Hsiao YW, Li CF, Lo YC, Lin ZY, Liu YM, Hong JY, Wang SM, Chen BK, **Wang JM***. Targeting chemotherapy-induced PTX3 in tumor stroma to prevent the progression of drug-resistant cancers. **Oncotarget** 2015; 6(27):23987-4001.
45. Chang WC, Wu SL, Huang WC, Hsu JY, Chan SH, **Wang JM**, Tsai JP and Chen BK. PTX3 gene activation in EGF-induced head and neck cancer cell metastasis. **Oncotarget** 2015, 6(10): 7741–7757.
46. Wang YH, Wu WJ, Wang WJ, Huang HY, Li WM, Yeh BW, Wu TF, Shiue YL, Sheu JJC[#], **Wang JM[#]** and Li CF[#]. *CEBPD* amplification and overexpression in urothelial carcinoma: a driver of tumor metastasis indicating adverse prognosis. **Oncotarget** 2015, 6(31):31069-84. (#: equal contribution)
47. Li CF, Tsai HH, Ko CY, Pan YC, Yen CJ, Lai HY, Yuh CH, Wu WC and **Wang JM***, HMBD and 5-AzadC combination reverses tumor suppressor CCAAT/enhancer binding protein delta to strengthen the death of liver cancer cells. **Mol. Cancer therapeutics** 2015, 14(11):2623-33.
48. Ko CY, Wang WL, Wang HY, Jeng YM, Tseng JT and **Wang JM***, IL-18-induced interaction between IMP3 and HuR contributes to COX-2 mRNA stabilization in acute myeloid leukemia. **J Leukoc Biol.** 2016; 99(1):131-41.
49. Chu YY, Ko CY, Wang WJ, Wang SM, Kuo YM, Gean PW, and **Wang JM***. Astrocytic CCAAT/Enhancer Binding Protein δ Regulates Neuronal Viability and Spatial Learning Ability via miR-135a. **Mol. Neurobiology** 2016; 53(6):4173-88.
50. Cheng YL, Lin YS, Chen CL, Tsai TT, Tsai CC, Wu YW, Ou YD, Chu YY, **Wang JM**, Yu CY, Lin CF*. Activation of Nrf2 by the dengue virus causes an increase in CLEC5A, which enhances TNF- α production by mononuclear phagocytes. **Scientific Reports** 2016, 6:32000.
51. Yang CP, Kuo YL, Lee YC, Lee KH, Chiang CW, **Wang JM**, Hsu CC, Chang WC, Lin DY. RINT-1 interacts with MSP58 within nucleoli and plays a role in ribosomal gene transcription. **Biochem. Biophys. Res. Commun.** 2016, 16; 478(2):873-80.
52. Wang SM, Ko CY, Chiu NE, Lai MD, Hsu JY* and **Wang JM***. Astrocytic CCAAT/Enhancer-binding protein delta contributes to glial scar formation and impairs functional recovery after spinal cord injury. **Mol. Neurobiology** 2016, 53(9):5912-5927.
53. Wang WL, Li CF, Wang YH, Chang WC and **Wang JM***, Inhibition of the EGFR/STAT3/CEBPD axis reverses cisplatin cross-resistance with paclitaxel in the urothelial carcinoma of the urinary bladder. **Clin Cancer Res.** 2017; 23(2):503-513.
54. Tsai HH, Lai HY, Chen YC, Li CF, Huang HS, Liu HS, Tsai YS and **Wang JM***, Metformin promotes apoptosis in hepatocellular carcinoma through the CEBPD-induced autophagy pathway. **Oncotarget** 2017; 8(8):13832-13845.
55. Lai HY, Hsu LW, Tsai HH, Lo YC, Liu PY* and **Wang JM***, CCAAT/enhancer binding protein delta contributes to

lipid accumulation in M1 macrophages of blood vessel lesions. **Cardiovascular Research** 2017; 113(11):1376-1388.

56. Chu YY, Ko CY, Wang SM, Lin PI, Wang HY, Wang LH and **Wang JM***, Bortezomib-induced miRNAs direct epigenetic silencing of locus genes and trigger apoptosis in leukemia. **Cell Death & Diseases** 2017; 8(11): e3167.
57. Wang SM, Lim SW, Wang YH, Lin HY, Lai MD, Ko CY* and **Wang JM***. Astrocytic CCAAT/enhancer-binding protein delta contributes to reactive oxygen species formation in neuroinflammation. **Redox Biology** 2018; 16:104-112.
58. Chen YT, Wang TW, Chang TH, Hsu TP, Chi JY, Hsiao YW, Li CF, and **Wang JM***. HDGF supports anti-apoptosis and pro-fibrosis in pancreatic stellate cells of pancreatic cancer. **Cancer Letters** 2019; 10;457:180-190.
59. Yen CJ., Yang ST, Chen RY, Huang WY, Chayama K, Lee MH, Yang SJ, Lai HS, Yen HY, Hsiao YW, **Wang JM**, Lin YJ and Hung LY. Hepatitis B virus X protein (HBx) enhances centrosomal P4.1-associated protein (CPAP) expression to promote hepatocarcinogenesis. **J. Biomed. Sci.** 2019, 26, 1, 44.
60. Chen RY, Yen CJ, Liu YW, Guo CG, Weng CY, Lai CH, **Wang JM**, Lin YJ and Hung LY. CPAP promotes angiogenesis and metastasis by enhancing STAT3 activity. **Cell Death & Differentiation**. 2020, 27,1259-1273.
61. Lai HY, Tsai HH, Yen CJ, Yang CC, Ho CH, Li CF* and **Wang JM***. Metformin resensitizes the resistance of HCC cells to sorafenib through AMPK-dependent autophagy activation. **Frontiers in Cell and Developmental Biology**. Published online 2021 Jan 21. doi: 10.3389/fcell.2020.596655
62. Wang SM, Lin WC, Lin HY, Chen YL, Ko CY*, and **Wang JM***. CCAAT/Enhancer binding protein delta mediates glioma stem-like cell enrichment and ATP-binding cassette transporter ABCA1 activation for temozolomide resistance in glioblastoma. **Cell Death Discovery** 2021, 7, Article number: 8
63. Chi JY, Hsiao YW, Wan XB, Fan XJ, Liu HL, Liu TL, Hung SJ, Chen YT, **Wang JM***. Fibroblast CEBPD/SDF4 axis in response to chemotherapy-induced angiogenesis through CXCR4. **Cell Death Discovery**, 2021, 7, Article number: 94
64. CC Tseng, SJ Chen, SY Lu, CH Ko, **JM Wang**, LM Fu, YH Liu. Novel sliding hybrid microchip detection system for determination of whole blood phosphorus concentration. **Chemical Engineering Journal**. 2021, 419, 129592.
65. Wang WJ, Lai HY, Zhang F, Li CF, Liu Y and **Wang JM***. MCL1 involves in Leptin-promoted mitochondrial fusion and contributes to survival and drug resistance in gallbladder cancer. **JCI Insight** 2021, 6(15): e135438.
66. Chen RY, Yen CJ, Lin YJ, **Wang JM**, Tsai TF, Huang YC, Liu YW, Tsai HW, Lee MH, Hung LY. CPAP enhances and maintains chronic inflammation in hepatocytes to promote hepatocarcinogenesis. (Accepted by **Cell Death & Diseases**)
67. Hsiao YW, Chi JY, Li CF, Chen LY, Chen YT, Li CF, **Wang JM*** Targeting PTX3 to prevent metastasis and stemness of triple-negative breast cancer (revised manuscript in **Clinical and Translational Medicine**)
68. TC Chan, YT Chen, WJ Wu, WM Li, **JM Wang**, YL Shiue, CF Li. Biological significance of MYC and CEBPD coamplification in urothelial carcinoma: multilayered genomic, transcriptional, and posttranscriptional positive feedback loops enhance oncogenic glycolysis. (revised manuscript in **Clinical and Translational Medicine**)

****Honors:**

2007

--Excellence in Research and Industry-University Cooperation Award of College of Bioscience and Biotechnology, NCKU

--Award of 2007 Excellent Paper in Basic Medicine, Cheng-Hsing Medical Foundation

2008

--Excellence in Research and Industry-University Cooperation Award of College of Bioscience and Biotechnology, NCKU

2009

--The Best in Research and Industry-University Cooperation Award of College of Bioscience and Biotechnology, NCKU

2010

--Excellence in Teaching Award, NCKU

--The Young Scientist Award, The Pharmacological Society in Taiwan

--Ta-You Wu Memorial Award, NSC

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

2011

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

2012

--The Best in Research Award of College of Bioscience and Biotechnology, NCKU

2013

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--Professor Chen-Yuan Lee Memorial Award, The Pharmacological Society in Taiwan

--Excellence in Teaching Award, NCKU

2014

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--Award for an outstanding achievement (Spandidos publications-19th World Congress on Advances in Oncology and 17th International Symposium on Molecular Medicine)

--The 11th National Innovation Award in the Academic Research Category (Novel microwave biosensor chip for cancer early screening and postoperative diagnosis)

-- Achievement Award to recognize Three-times NHRI Research Grant Funding

2015

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--The 12th National Innovation Award in the Academic Research Category (The peptides of a novel target inhibits progression of multiple cancers)

--The 12th National Innovation Award in the Academic Research Category (New light-induced circulating tumor cell microsystem chip and platform)

2016

--Research funding award, Liver disease prevention and treatment research foundation, Taiwan

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

2017

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

2018

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--First prize of innovation and startup award in MOST-FITI

--The 15th National Innovation Award in the Academic Research Category (New light-induced circulating tumor cell microsystem chip and platform)

2019

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--The 16th National Innovation Award in recognition of continuing innovations and advancements in R&D

2020

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

--The 17th National Innovation Award in recognition of continuing innovations and advancements in R&D

2021

--MOST Outstanding Research Award.

--Excellence in Research Award of College of Bioscience and Biotechnology, NCKU

Speech title:

Pentraxin 3's novel biological roles and therapeutic potential in inflammation-associated diseases