

## **CURRICULUM VITAE**

**NAME: SHYH-JONG WU**

**OFFICE ADDRESS: 100 Shi-Chuan 1st Road, San Ming District, Kaohsiung, 807,  
Department of Medical Laboratory Science and Biotechnology,  
Kaohsiung Medical University**

**OFFICE TEL: +886-7-3121101 ext. 2354 or 2148**

**E-mail: [sjwu@kmu.edu.tw](mailto:sjwu@kmu.edu.tw)**

**DATE & PLACE OF BIRTH: Aug 20, 1970, Taiwan**

**NATIONALITY: Taiwan (R.O.C.)**

### **EDUCATION:**

1989/09-1993/06 B.S. in Medical Technology, Kaohsiung Medical University, Taiwan.

1996/09-2004/04 M.S. & Ph.D in Graduate Institute of Physiology, National Taiwan University  
College of Medicine, Taiwan.

Supervisor: Yung-Zu Tseng, MD, FCCP.

Co-supervisor: Fu-Tien Chiang, M.D, Ph.D.

Thesis: "Association between single-nucleotide polymorphisms of  
angiotensinogen gene and hypertension".

### **PROFESSIONAL ACTIVITIES:**

2004/09-present Assistant Professor at Department of Medical Laboratory Science and  
Biotechnology, Kaohsiung Medical University, Taiwan.

2006/10-2008/09 Post-doctoral Fellow at Montreal University, QC, Canada.

2004/01-2004/08 Post-doctoral Fellow at Institute of Cellular and Organismic Biology, Academia  
Sinica, Taiwan.

1993/07-1995/05 Compulsory military service (lieutenant) at Ministry of National Defense, R.O.C.

## COURSES:

1. Biochemistry
2. Clinical Physiology
3. Biochemistry Laboratory
4. Clinical Physiology Practice

## RESEARCH INTERESTS:

1. Molecular pathology and diagnosis of Alzheimer's Disease
2. Molecular genetic of cardiovascular diseases
3. Diabetes Nephropathy
4. The new pathological roles of Renin Angiotensin System in neurons and cardiovascular systems.

## PUBLICATIONS:

1. **Wu SJ**, Chen YJ, Shieh TY, Chun-Ming Chen, Wang YY, Lee KT, Lin YM, Chien PH, and Chen PH\*. Association study between novel CYP26 polymorphisms and the risk of betel quid-related malignant oral disorders. *Scientific World Journal*. 2014 (Accepted) (IF=1.219. ; R/C=16/55 , MULTIDISCIPLINARY SCIENCES )
2. Chia-Che Wu\*, Bien-Chen Ku, Chien-Hsien Ko, Chun-Che Chiu, Gou-Jen Wang, Yuan-Han Yang, **Shyh-Jong Wu**. Electrochemical impedance spectroscopy analysis of A-beta (1-42) peptide using a nanostructured biochip. *Electrochimica Acta*. 2014 Jul;134: 249–257 (IF= 4.086 ; R/C=4/27 , ELECTROCHEMISTRY)
3. Liou JR, Chuang LY, Yang YH, Wu TY, El-Shazly M, **Wu SJ**, Hsieh TJ, Wu YC, Wu JY, Chang FR. Fast quantification of S-adenosyl-L-methionine in dietary health products utilizing reversed-phase high-performance liquid chromatography: teaching an old method new tricks. *Planta Med*. 2014 Feb;80(2-3):243-8 (IF= 2.339 ; R/C=60/196 , PLANT SCIENCES)
4. Yang YH, Hsieh TJ, Tsai ML, Chen CH, Lin HT, **Wu SJ**\*. Neuroprotective effects of Hu-Yi-Neng, a diet supplement, on SH-SY5Y human neuroblastoma cells. *J Nutr Health Aging*. 2014;18(2):184-90 (Corresponding author) (IF= 2.659 ; R/C=31/78 , NUTRITION & DIETETICS )
5. Yang YH; **Wu SJ**; Liou SH; Wang CL; Yang CY; Wu TN\*. Incidence of needlestick and other sharp object injuries in newly graduated nurses. *Am J Infect Control*. 2013 Oct;41(10):944-5. (Co-first author) (IF=2.326 ; R/C=45/70 , INFECTIOUS DISEASES ).
6. **Wu SJ**, Chuang LY, Lin YD, Ho WH, Chiang FT, Yang CH, Chang HW\*. Particle swarm optimization algorithm for analyzing SNP-SNP interaction of renin-angiotensin system genes against hypertension. *Mol Biol Rep*. 2013 Jul;40(7):4227-33 (First author) (IF=1.958 ; R/C=214/291 , BIOCHEMISTRY & MOLECULAR BIOLOGY ).
7. **Wu SJ**, Hsieh TJ, Kuo MC, Tsai ML, Tsai KL, Chen CH, Yang YH. \*. Functional regulation of Alu element of human ACE gene in neuron cells. *Neurobiol Aging*. 2013 Jul;34(7):1921.e1-7. (First author) (IF=4.853 ; R/C=4/49 , GERIATRICS & GERONTOLOGY ).
8. Chang WP, **Wu SJ**, Chang WC, Kuo HC. Population-based study of the association between urbanization and Kawasaki disease in Taiwan. *Scientific World Journal*. 2013 Jun

- 23;2013:169365. (SCI) (IF= 1.219 ; R/C=16/55 , MULTIDISCIPLINARY SCIENCES )
9. Chen HM, Clark AP, Tsai LM, Liu Y, Wu LM, **Wu SJ**. Excessive Daytime Sleepiness in Taiwanese People with Heart Failure. *J Nurs Res.* 2013 Mar;21(1):39-48. (IF 0.844 ; R/C=68/106; NURSING).
  10. Huang CW, Wang SJ, **Wu SJ**, Yang CC, Huang MW, Lin CH, and Cheng Irene HJ\*. Potential blood Biomarker for Disease Severity in the Taiwanese Population with Alzheimer's Disease. *Am J Alzheimers Dis.* 2013 Feb;28(1):75-83. (IF=1.426 ; R/C=32/49 , GERIATRICS & GERONTOLOGY)
  11. Wei JC, Hung KS, Hsu YW, Wong RH, Huang CH, Jan MS, **Wu SJ**, Juan YS, Chang WC\*. Genetic Polymorphisms of Stromal interaction molecule 1 associated with the erythrocyte sedimentation rate and C-reactive protein in HLA-B27 positive ankylosing spondylitis patients. *PLoS One.* 2012 Dec;7(12):e49698. (JCR2013,IF 3.534) (BIOLOGY)IF= 4.092(12/85 = 14.1 %)
  12. Yang MH, Yang YH, Lu CY, Jong SB, Chen LJ, Lin YF, **Wu SJ**, Chu PY, Chung TW, Tyan YC\*. Activity-dependent neuroprotector homeobox protein: A candidate protein identified in serum as diagnostic biomarker for Alzheimer's disease. *J Proteomics.* 2012 Jun 27;75(12):3617-29. (IF 4.088)
  13. Chou MC, Chen CH, Liu CK, Chen SH, **Wu SJ**, Yang YH\*. Concentrations of Rivastigmine and NAP 226-90 and the Cognitive Response in Taiwanese Alzheimer's Disease Patients. *J Alzheimers Dis.* 2012 Sep 1; 31(4):857-64. (IF 4.174) (NEUROSCIENCES)JCR2011IF **3.745** (73/244 = 29.9%)
  14. Lau GJ, Godin N, Maachi H, Lo CS, **Wu SJ**, Zhu JX, Brezniceanu ML, Chénier I, Fragasso-Marquis J, Lattouf JB, Ethier J, Filep JG, Ingelfinger JR, Nair V, Kretzler M, Cohen CD, Zhang SL, Chan JS.\*. Bcl-2-modifying factor induces renal proximal tubular cell apoptosis in diabetic mice. *Diabetes.* 2012 Feb;61(2):474-84. (IF=8.474 ; R/C= 6/122 , ENDOCRINOLOGY & METABOLISM ).
  15. Soulez M, Pilon EA, Dieudé M, Cardinal H, Brassard N, Qi S, **Wu SJ**, Durocher Y, Madore F, Perreault C, Hébert MJ\*. The Perlecan Fragment LG3 Is a Novel Regulator of Obliterative Remodeling Associated With Allograft Vascular Rejection. *Circ Res.* 2012 Jan 6;110(1):94-104. (IF =11.089).
  16. Liu F, Wei CC, **Wu SJ**, Chenier I, Zhang SL, Filep JG, Ingelfinger JR, Chan JS\*. Apocynin attenuates tubular apoptosis and tubulointerstitial fibrosis in transgenic mice independent of hypertension. *Kidney Int.* 2009 Jan;75(2):156-66. (IF= 8.52 ; R/C=4/72 , UROLOGY & NEPHROLOGY)
  - 17.

#### INTERNATIONAL CONFERENCES:

1. "Molecular variants of angiotensinogen gene promoter affect in-vitro basal transcription" **Wu SJ**, Chiang FT, Jiang JR, Hsu KL, Chern TH, Tseng YZ\*. *The 24th Annual Scientific Meeting of Japanese Society of Hypertension 2001. (Held at OSAKA, JAPAN). (Oral presentation of young investigators)*

2. “Bcl-2 modifying factor is differentially upregulated and induces apoptosis in renal proximal tubular cells of db/db mice” **Wu SJ**, Liu F, Wei CC, Chenier I, Zhang SL, Filep JG, Ingelfinger JR, Chan JS\*. *The Canadian Society of Nephrology Annual Meeting at the London Convention Centre, London, Ontario, May 30th to June 1st, 2008. (Oral presentation)*
3. “The initiatory source of local Ang II to induce vascular remodeling comes from the apoptotic endothelial cells” **Wu SJ**\*, Tsai ML, Chiang FT, Hébert MJ\* *21st European Meeting on Hypertension and Cardiovascular Prevention at Milano, Italy, Jun 17th-20th, 2011 (Poster)*
4. “Functional Regulation of Alu Element of ACE Gene in Neuron Cell” **Wu SJ**, Tsai ML, Chen CH, Yang YH \*. *The Fifth Congress of the Asian Society Against Dementia at Hongkong, Nov 5th-7th, 2011. (Oral presentation)*
5. “Functional examination of HU-YI-NENG, diet supplement, in its anti-oxidant effects on neuron.” **Wu SJ, Tsei ML, Chen CH, Yang YH**. *Alzheimer’s Association International Conference (AAIC) at Vancouver, British Columbia, Canada Jul 15<sup>th</sup>-19<sup>th</sup>, 2012. (Poster)*
6. “Dysfunctional effects of electronegative LDL (L5) on insulin secretion of pancreatic beta-cells.” Wu SJ, Lin HT, Chu CS, Chen CH. *5th International Congress on Prediabetes and the Metabolic Syndrome. Vienna, Austria April 18 - 20, 2013; (Accepted for Poster)*
7. “ACE I/D polymorphism shows contrary response to angiotensin converting enzyme inhibitor in regulation of ace promoter activity in neurons.” Y-C Shih, I Chien, Y-H Yang, C-H Chen, and **S-J WU**\* *The 2014 Alzheimer’s Disease Congress, London, UK June 23th - 25<sup>th</sup>, 2014 17:00 (Oral presentation)*
8. “Lisinopril (ACEi) suppresses the hyperphosphorylated Tau protein via suppressing GSK3 $\beta$  activation in neurons” Shyh-Jong Wu, Li-Chien Wei, Yuan-Han Yang, Ya-Ju Hsieh (2015, Apr). *30th International Conference of Alzheimer’s Disease International, Perth, Australia. April 15 – 18. (Oral presentation). 本人為第一作者、通訊作者.*