

## **Curriculum Vitae**

1. **Name:** Chung-Sheng Shi (石宗憲)
2. **Institution:** Chang gung university
3. **Position:** Assistant professor
4. **Department:** Graduate Institute of Clinical Medical Sciences
5. **Address:** No.6, W. Sec., Jiapu Rd., Puzi City, Chiayi County 613, Taiwan
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### **8. Fulltime Employment :**

- **2010/09~present: Assistant Professor:** Study the role of thrombomodulin in mesenchymal stem cells (MSCs). (Graduate Institute of Clinical Medical Sciences, Chang Gung University, Tainan, Taiwan)
- **2008/10~2010/06: Researcher:** Development of the therapeutic monoclonal antibody, phage display platform and pharmacokinetic transgenic animal model. (AbGenomics International Inc., Taipei, Taiwan)
- **2007/10 ~ 2008/10: Project-Appointed Assistant Professor:** Characterization of human thrombomodulin lectin-like domain in sepsis. (work as a researcher in Cardiovascular Research Center and Department of Biochemistry and Molecular Biology, National Cheng Kung University, Tainan, Taiwan)
- **2006/02 ~ 2007/09: Postdoctoral Fellow:** Characterization of human thrombomodulin domains in atherosclerosis and acute inflammation. (work as Postdoctoral researcher in Prof. Hua-Lin Wu's Lab, Department of Biochemistry and Molecular Biology, National Cheng Kung University, Tainan, Taiwan)

### **9. Education :**

- **2002/09 ~ 2006/01: Ph.D.** Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, Tainan, Taiwan. Thesis Advisor: Guey-Yueh Shi, Ph.D.
- **1996/09 ~ 1998/06: Master of Science.** Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng Kung University, Tainan, Taiwan. Thesis Advisor: Hua-Lin Wu, Ph.D.
- **1994/09 ~ 1996/06: Bachelor of Science.** Department of Microbiology, SooChow University, Taipei, Taiwan.

### **10. Honors and Awards**

- I. The Third Fall Camp of Taiwan Society for Biochemistry and Molecular Biology, Tainan, Poster Competition Award (2003).
- II. College of Medicine, National Cheng Kung University Outstanding Research Award (2005).
- III. The Taiwan Society for Biochemistry and Molecular Biology Poster Competition Award (2005).



- IV. Professor Jung-Yaw Lin Academy Foundation Thesis Award (2005).
- V. National Science Council Outstanding Technology Transfer Contribution Prize (2005).

**11. Focus of Interest :**

Biochemistry and Molecular Biology – Medicine, Cardiac & Cardiovascular Systems, Critical Care Medicine, Dermatology, Oncology, Radiology, Nuclear Medicine, Stem cell, Urology

**12. Publications (2018~2014) : (1-19)**

1. Wu MH, Shih MH, Hsu WB, Dubey NK, Lee WF, Lin TY, et al. Evaluation of a novel biodegradable thermosensitive keto-hydrogel for improving postoperative pain in a rat model. *PloS one*. 2017;12(10):e0186784.
2. Wu MH, Dubey NK, Li YY, Lee CY, Cheng CC, Shi CS, et al. Comparison of minimally invasive spine surgery using intraoperative computed tomography integrated navigation, fluoroscopy, and conventional open surgery for lumbar spondylolisthesis: a prospective registry-based cohort study. *Spine J*. 2017;17(8):1082-90.
3. Wu MH, Dubey NK, Lee CY, Li YY, Cheng CC, Shi CS, et al. Application of Intraoperative CT-Guided Navigation in Simultaneous Minimally Invasive Anterior and Posterior Surgery for Infectious Spondylitis. *Biomed Res Int*. 2017;2017:2302395.
4. Shi CS, Li JM, Chin CC, Kuo YH, Lee YR, and Huang YC. Evodiamine Induces Cell Growth Arrest, Apoptosis and Suppresses Tumorigenesis in Human Urothelial Cell Carcinoma Cells. *Anticancer Res*. 2017;37(3):1149-59.
5. Shi CS, Huang TH, Lin CK, Li JM, Chen MH, Tsai ML, et al. VEGF Production by Ly6C+high Monocytes Contributes to Ventilator-Induced Lung Injury. *PloS one*. 2016;11(10):e0165317.
6. Huang YC, Kuo YH, Huang YH, Chen CS, Ho DR, and Shi CS. The Effects of Adipose-Derived Stem Cells in a Rat Model of Tobacco-Associated Erectile Dysfunction. *PloS one*. 2016;11(6):e0156725.
7. Huang YC, Huang YK, Chen CS, Shindel AW, Wu CF, Lin JH, et al. Phimosis with Preputial Fissures as a Predictor of Undiagnosed Type 2 Diabetes in Adults. *Acta dermato-venereologica*. 2016;96(3):377-80.
8. Hsieh JT, Kuo KL, Liu SH, Shi CS, Chang HC, Lin WC, et al. Epigallocatechin Gallate Attenuates Partial Bladder Outlet



- Obstruction-induced Bladder Injury via Suppression of Endoplasmic Reticulum Stress-related Apoptosis-In Vivo Study. *Urology*. 2016;91:242 e1-9.
9. Chin CC, Li JM, Lee KF, Huang YC, Wang KC, Lai HC, et al. Selective beta2-AR Blockage Suppresses Colorectal Cancer Growth Through Regulation of EGFR-Akt/ERK1/2 Signaling, G1-Phase Arrest, and Apoptosis. *Journal of cellular physiology*. 2016;231(2):459-72.
  10. Chen SY, Liu GH, Chao WY, Shi CS, Lin CY, Lim YP, et al. Piperlongumine Suppresses Proliferation of Human Oral Squamous Cell Carcinoma through Cell Cycle Arrest, Apoptosis and Senescence. *Int J Mol Sci*. 2016;17(4).
  11. Yeh CC, Su YH, Lin YJ, Chen PJ, Shi CS, Chen CN, et al. Evaluation of the protective effects of curcuminoid (curcumin and bisdemethoxycurcumin)-loaded liposomes against bone turnover in a cell-based model of osteoarthritis. *Drug design, development and therapy*. 2015;9:2285-300.
  12. Kuo KL, Ho IL, Shi CS, Wu JT, Lin WC, Tsai YC, et al. MLN4924, a novel protein neddylation inhibitor, suppresses proliferation and migration of human urothelial carcinoma: In vitro and in vivo studies. *Cancer letters*. 2015;363(2):127-36.
  13. Kuan FC, Kuo LT, Chen MC, Yang CT, Shi CS, Teng D, et al. Overall survival benefits of first-line EGFR tyrosine kinase inhibitors in EGFR-mutated non-small-cell lung cancers: a systematic review and meta-analysis. *British journal of cancer*. 2015.
  14. Huang YC, Chin CC, Chen CS, Shindel AW, Ho DR, Lin CS, et al. Chronic Cigarette Smoking Impairs Erectile Function through Increased Oxidative Stress and Apoptosis, Decreased nNOS, Endothelial and Smooth Muscle Contents in a Rat Model. *PloS one*. 2015;10(10):e0140728.
  15. Huang YC, Chen MF, Shi CS, Shindel AW, Huang CE, Pang ST, et al. The Efficacy of Postoperative Adjuvant Chemotherapy for Patients with pT3N0M0 Upper Tract Urothelial Carcinoma. *The Journal of urology*. 2015;194(2):323-9.
  16. Ho IL, Kuo KL, Liu SH, Chang HC, Hsieh JT, Wu JT, et al. MLN4924 Synergistically Enhances Cisplatin-induced Cytotoxicity via JNK and Bcl-xL Pathways in Human Urothelial Carcinoma. *Sci Rep*. 2015;5:16948.
  17. Chin CC, Chen CN, Kuo HC, Shi CS, Hsieh MC, Kuo YH, et al. Interleukin-17 induces CC chemokine receptor 6 expression and cell migration in colorectal cancer cells. *Journal of cellular physiology*. 2015;230(7):1430-7.
  18. Chen CH, Chang CC, Shih TH, Aljuffali IA, Yeh TS, and Fang JY. Self-nanoemulsifying drug delivery systems ameliorate the oral delivery of



silymarin in rats with Roux-en-Y gastric bypass surgery. *International journal of nanomedicine*. 2015;10:2403-16.

19. Kuo CH, Lu YC, Tseng YS, Shi CS, Chen SH, Chen PT, et al. Reversine induces cell cycle arrest, polyploidy, and apoptosis in human breast cancer cells. *Breast cancer*. 2014;21(3):358-69.