

Tsung-Jung Ho

Director, Surgery and orthopedics of traditional Chinese medicine

Asso. Professor, College of Chinese Medicine, China Medical University, Taiwan

Ph.D., China Medical University Beigang Hospital (Taiwan), 2008

Ph.D., An Nan Hospital, China Medical University (Taiwan), 2014



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URL: http://webap.cmu.edu.tw/TchEportfolio/index_1/tjho

Research Interests: Traditional Chinese medicine, Tai Chi, Qigong and sport medicine.

Academic Distinctions:

Champion, Acupuncture and Chinese Traumatology mentor group of Joint Commission of Taiwan Medical Committee, Chinese Taipei Olympic Medical Commission

Appointments:

2008-2012: Assistant Professor: College of Chinese Medicine, CMU

2010-2010: Visiting Scholar, Harvard School of Public Health, USA

2012- present: Associate Professor: College of Chinese Medicine, CMU

2008- present: Director, Division of Chinese Medicine, China Medical University Beigang Hospital

2014 present: Director, Division of Chinese Medicine, Tainan Municipal An-Nan Hospital -China Medical University

Research Interests:

My principal research interests lie in the field of Transitional Chinese Medicine (TCM including Chinese Herbs and Acupuncture), Taichi and Qigong. I am currently investigating 2 parts:

1. About TCM research - for example: Research questions in chronic wound healing; TCM public health Policy.

2. About Taichi/ Qigong- for example: using stem cell to improve the Taichi of TCM ...and so on.

Representative Publications:

<https://www.ncbi.nlm.nih.gov/pubmed/25073158>. Tsung-Jung Ho, Li-Ing Ho, Kuo-Wei Hsueh, Tzu-Min Chan, Shih-Li Huang, Jaung-Geng Lin, Wen-Miin Liang, Wei-Hung Hsu, Horng-Jyh Harn, Shinn-Zong Lin. Tai Chi Intervention Increases Progenitor CD34+ Cells in Young Adults. Cell Transplantation. 2014 Mar; 23(4-5): 613-620. (SCI) IF=4.422

<https://www.hindawi.com/journals/ecam/2016/1654056/ref/>. Tsung-Jung Ho, Shinn-Jong Jiang, Guang-Huey Lin, Tzong-Shiun Li, Lih-Ming Yiin, Jai-Sing Yang, Ming-Chuan Hsieh, Chun-Chang Wu, Jaung-Geng Lin, and Hao-Ping Chen. The In Vitro and In Vivo Wound Healing Properties of the Chinese Herbal Medicine "Jinchuang Ointment". Evidence-Based Complementary and Alternative Medicine. 2016. Mar. Volume 2016.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0145109>. Ying-ju Lin, Tsung-Jung Ho*, Yi-Chun Yeh, Chi-Fung Cheng, Yi-Tzone Shiao, Chang-Bi Wang, Wen-Kuei Chien, Jin-Hua Chen, Xiang Liu, Hsinyi Tsang, Ting-Hsu Lin, Chiu-Chu Liao, Shao-Mei Huang, Ju-Pi Li, Cheng-Wen Lin, Hao-Yu Pang, Jaung-Geng Lin, Yu-Ching Lan, Yu-Huei Liu, Shih-Yin Chen, Fuu-Jen Tsai*, Wen-Miin Liang*. Chinese Herbal Medicine Treatment Improves the Overall Survival Rate of Individuals with Hypertension among Type 2 Diabetes Patients and Modulates In Vitro Smooth Muscle Cell Contractility. PLoS One. 2015 Dec 23; 10(12): e0145109 (SCI) IF=3.234

h SP, Hsu JL, Yang CC, Hung SC, Hung MC*. **EMBO Mol Med.** 2013 Apr; 5(4): 531-47.

CURRICULUM VITAE

NAME: Chien-Hsing Lee 李建興

SEX: Male

DATE OF BIRTH: March 5, 1961

CITIZENSHIP: Taiwan

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EDUCATION:

School of Chinese Medicine, College of Chinese Medicine, China Medical University, Taichung, Taiwan

PhD, Institute of Medicine, Chung Shan Medical University, Taichung, Taiwan

ACADEMIC APPOINTMENT:

Instructor, Hungkuang University, Taichung, Taiwan

Assistant Professor, Chang Jung Christian University, Tainan, Taiwan

Associate Professor, Chung Shan Medical University, Taichung, Taiwan

Associate Professor, Chang Jung Christian University, Tainan, Taiwan

Associate Professor, China Medical University, Taichung, Taiwan

EMPLOYMENT RECORD:

Surgical Resident, Changhua Christian Hospital, Chanhua, Taiwan

Chief Surgical Resident, Changhua Christian Hospital, Chanhua, Taiwan

Pediatric Surgical Resident and Fellow, Changhua Christian Hospital, Chanhua, Taiwan

Attending Physician, Division of Pediatric Surgery, Department of Surgery, Changhua Christian Hospital, Changhua, Taiwan

Chief, Division of Pediatric Surgery, Department of Surgery, Changhua Christian Hospital, Changhua, Taiwan

Chief, Department of Surgery, Changhua Christian Hospital, Changhua, Taiwan

Vice President, Changhua Christian Children's Hospital

PROFESSIONAL AFFILIATIONS:

Taiwan Society for Parenteral and Enteral Nutrition

Formosan Medical Association

Surgical Society of the Republic of China
Taiwan Surgical Society of Gastroenterology
Taiwanese Association of Pediatric Surgeons (Taiwan)
Pacific Association of Pediatric Surgeons

PROFESSIONAL ACTIVITIES:

Vice President, China Medical University Children's Hospital
Executive Council Member of Taiwanese Association of Pediatric Surgeons
Reviewer of World Journal of Pediatric
Reviewer of Journal of Medicinal Food
Reviewer of Journal of Clinical Medicine and Research
Reviewer of Pediatrics and Neonatology

RESEARCH INTEREST:

- 1) Surgical nutrition (especially in parenteral nutrition and immunonutrition)
- 2) Pediatric Surgery and neonatal Surgery
- 3) Oncology

PUBLICATION:

1. Hung TW, Tsai JP, Lin SH, Lee CH, Hsieh YH, Chang HR. Pentraxin 3 Activates JNK Signaling and Regulates the Epithelial-To-Mesenchymal Transition in Renal Fibrosis. *Cell Physiol Biochem.* 2016;40(5):1029-1038
2. Tsung-Ho Ying, Chien-Hsing Lee, Hui-Ling Chiou, Shun-Fa Yang, Chu-Liang Lin, Chia-Hung Hung, Jen-Pi Tsai, Yi-Hsien Hsieh. Knockdown of Pentraxin 3 suppresses tumorigenicity and metastasis of human cervical cancer cells. *Sci Rep.* 2016 Jul 5;6: 29385. doi:10.1038/srep29385
3. Hui-Chen Lo, Ching-Yi Hung, Fu-Huan Huang, Fu-Huan Huang, Chien-Hsing Lee*. The nitric oxide synthase inhibitor NG-nitro-L-arginine methyl ester diminishes the immunomodulatory effects of parental arginine in rats with subacute peritonitis. *PLoS One.* 2016 Mar 23;11(3) e0151973
4. Fu-Huan, Huang, Chien-Hsing, Lee*, Tsai-Yi, Tseng, Ching-Yi, Hung. Another type of choledochal cyst beyond the Todani classification. *Int Surg* 2016;101: 54-57
5. Yi-Hsien Hsieh, Shu-Ching Hsieh**, Chien-Hsing Lee, Shun-Fa Yang, Chun-Wen Cheng, Meng-Ju Tang, Chia-Liang Lin, Chu-Liang Lin, Ruey-Hwang Chou. Targeting EMP3 suppresses proliferation and invasion of hepatocellular carcinoma cells through inactivation of PI3K/Akt pathway. *Oncotarget.* 2015;6(33):34859-74.
6. Tsai JP, Lee CH**, Ying TH, Lin CL, Lin CL, Hsueh JT, Hsieh YH. Licochalcone A induces autophagy through PI3K/Akt/mTOR inactivation and autophagy suppression enhances Licochalcone A-induced apoptosis of human cervical cancer cells. *Oncotarget.* 2015;6(30):28851-66
7. Lai CH, Lee CH**, Hung CY, Lo HC. Oral citrulline mitigates inflammation and jejunal damage via the inactivation of neuronal nitric oxide synthase and nuclear factor-kappa B in intestinal ischemia and reperfusion. *JPEN* 2015 Jun 30. pii: 0148607115590661.

8. Chen YH, Lee CH, Hsu TH, Lo HC. Submerged-Culture Mycelia and Broth of the Maitake Medicinal Mushroom *Grifola frondosa* (Higher Basidiomycetes) Alleviate Type 2 Diabetes-Induced Alterations in Immunocytic Function. *Int J Med Mushrooms*. 2015;17(6):541-56
9. Hsieh YH, Lee CH**, Chen HY, Hsieh SC, Lin CL, Tsai JP. Induction of cell cycle arrest, DNA damage, and apoptosis by nimbolide in human renal cell carcinoma cells. *Tumour Biol*. 2015; 36(10):7539-47.
10. Lo HC, Yang RB, Lee CH*. Guanylyl cyclase -G modulates jejunal apoptosis and inflammation in mice with intestinal ischemia and reperfusion. *PLoS One*. 2014 Jul 3; 9(7): e101314. 2014
11. Ya-Hui Chen, Chien-Hsing Lee, Chien-Chou Hsiao, Li-Sung Hsu, Hui-Chen Lo. Diverse effects of parenteral L arginine on systemic and local oxidant-antioxidant homeostasis and nitrosative stress in rats with subacute peritonitis. *J Surg Res*. 2014 Mar; 187(1):134-41
12. Tai-Hao Hsu, Chien-Hsing Lee, Fang-Yi Lin, Solomon P. Wasser, Hui-Chen Lo. The fruiting bodies, submerged culture biomass, and acidic polysaccharide glucuronoxylomannan of yellow brain mushroom, *Tremella mesenterica* modulate the immunity of peripheral blood leukocytes and splenocytes in rats with impaired glucose tolerance. *Journal of Traditional and Complementary Medicine*. Jan;4(1):56-63, 2014
13. 陳雅慧, 李建興, 許立松, 羅慧珍. 靜脈補充精胺酸對亞急性腹膜炎大鼠紅血球及腓腸肌的氧化及硝化壓力之影響 *台灣營養學會雜誌* Vol. 38, No. 2,40~49,2013
14. Su TC, Hwang MJ, Li CF, Wang SC, Lee CH, Chen CJ. A rare malignant tumor of scalp in a 3-month-old Taiwanese infancy: case report of primitive myxoid mesenchymal tumor of infancy with molecular study. *Med Mol Morphol*. 46(2):109-13, 2013
15. Hui-Chen Lo, Tai-Hao Hsu, Fang-Yi Lin, Yu-Hsin Chen, Chien-Hsing Lee*. Effects of Yellow Brain Culinary-Medicinal Mushroom, *Tremella mesenterica* Ritz.: Fr. (Higher Basidiomycetes), on Immune Function in Normal and Type 1 Diabetic Rats. *Int J Med Mushrooms* 14(5): 447–457,2012
16. Lee CH, Hsiao CC, Hung CY, Lo HC. Combination treatment of parenteral arginine and nitric oxide inhibitor N(G)-nitro-L-arginine methyl ester in rats with peritonitis. *J Surg Res*. 181(1):99-105 ,2013
17. Chien-Chou Hsiao, Chien-Hsing Lee, Lon-Yen Tsao and Hui-Chen Lo. The Dose-Dependent Immunoregulatory Effects of Nitric Oxide Synthase Inhibitor NG-Nitro-L-Arginine Methyl Ester in Rats with Sub-acute Peritonitis. *Plos One* 7(8): e 42467,2012
18. Chen YH, Lee CH, Hsu LS, Hsia CC, Lo HC. Appropriate Dose of Parenteral Arginine Enhances Immunity of Peripheral Blood Cells and Splenocytes in Rats with Subacute Peritonitis. *JPEN* 36(6):741-9,2012
19. Lee CH, Hsiao CC, Hung CY, Chang YJ, Lo HC. Long-term enteral arginine supplementation in rats with intestinal ischemia and reperfusion. *J Surg Res*. 175(1):67-75,2012
20. Chien-Chou Hsiao, Chien-Hsing Lee, Lon-Yen Tsao, and Hui-Chen Lo. Dose Effects of Chronically Infused Nitric Oxide Synthase Inhibitor NG-Nitro-L-Arginine Methyl Ester on Anabolic Response and Arginine Metabolism in Rats with Subacute Peritonitis. *Biol Pharm Bull*. 34(2):177-82,2011
21. Jau-Jie You, Hong-Chang Chen, Ting-Ming Huang, Tsang-Chi Lin, Chien-Hsing Lee*. Missed Cancerous Lesions in Emergency Laparoscopic Surgery: Retrospective Study of 2074 Cases. *MITAT* 20(4):253-6,2011
22. Lo HC, Wu SC, Wang YH, Lee CH*. Does pharmacological dose of parenteral arginine have beneficial effect in rats with sub-acute peritonitis? *Pediatr Surg Int*. 26(6):625-32,2010
23. Lee CH, Chen JY, Li ML, Chou MC, Lo HC. Oral Antibiotics Attenuate Bowel Segment Reversal-Induced Alterations in Subpopulation and Function of Peripheral Blood Leukocytes, Thymocytes, and Splenocytes in Massive Bowel-Resected Rats. *JPEN* 33(1):90-101,2009

24. Lee CH, Lo HC, Chou MC, Tsai HR. Oral antibiotics attenuate bowel segment reversal-induced systemic inflammatory response and body weight loss in massively bowel-resected rats. *JPEN* 31(5):397-405,2007
25. Chien-Hsing Lee, Wen-Tsung Hung, Hui-Chen Lo, Ming-Chih Chou, Ching-Yi Hung. Could Fetal Bovine Serum Protect the Small Bowel from Ischemia and Reperfusion Injury by Using a Systemic Perfusion? *Int Surg* 92:257-261,2007
26. Chien-Hsing Lee, Ming-Chih Chou, Hui-Min Yeh. Rectal atresia with rectourethral fistula: a rare anomaly. *World J Pediatr* 3(2):150-151,2007
27. Ming Chen, Wen-Kuang Ho, Tsung Che Hsieh, Chien-Hsing Lee, Chien-Chou Hsiao, Shun-Ping Chang, Dong-Jay Lee, Albert D Yang. Huge duplication cyst of small intestine: ultrasonographic features and prenatal aspiration. *Prenat Diagn* 26:86-88,2006
28. Shu-Chen Chen, Chia-Yu Lin, Ya-Hui Chen, Hsin-Yuan Fang, Ching-Yuan Cheng, Chih-Wen Chang, Ruei-A Chen, Hui-Lung Tai, Chien-Hsing Lee, Ming-Chih Chou, Torng-Sen Lin, Li-Sung Hsu. Aberrant promoter methylation of EDNRB in lung cancer in Taiwan. *ONCOLOGY REPORTS* 2006;5: 167-172,2006
29. Hsiao-Huei Chao, Meng-Feng Tsai, Ching-Yi Hung, Chien-Hsing Lee*. Is Wide Excision Sufficient as Treatment for Malignant Fibrous Histiocytoma of the Trunk in Children? *Int Surg*. 90(5):305-307,2005
30. Yu-Li Lin, Chien-Hsing Lee, Kuan-Chih Chow. Strangulated mesenteric hernia in a child *Formos J Surg* 38:298-300,2005
31. Yu-Li Lin, Chien-Hsing Lee, Kun-Tu Yeh. Laparoscopic versus conventional appendectomy in child. *Formos J Surg* 37:261-265,2004
32. Chien-Hsing Lee, Yu-Li Lin. Laparoscopic appendectomy versus open appendectomy in children: another options. *Int Surg* 88:92-94,2003
33. Yu-Li Lin, Chien-Hsing Lee. Appendicitis in Infant. *Pediatr Surg Int* 2003; 19:1-3
34. Yu-Li Lin, Chien-Hsing Lee, Wen-Tsung Hung, Huei-Mei Chang. A Pediatric Case of Subcutaneous Sparganosis. *Formos J Surg* 36:41-44,2003
35. Chiung-Ying Liao, Albert D. Yang, Chien-Hsing Lee. MRI Appearance of Irreducible Inguinal Herniation of the Ovary. *Changhua J Med* 7:122-124,2002
36. Albert D. Yang, Chien-Hsing Lee. Appendico-ileal Knotting resulting in closed-loop obstruction in a child. *Pediatr Radiol* 32:879-881,2002
37. Jee-Ming Tsai, Eai-Kit Yu, Chien-Hsing Lee. H-Type Tracheoesophageal Fistula: Report of one case. *Acta Pediatr Tw* 43:100-101,2002
38. Chien-Hsing Lee. Intestinal Obstruction caused by Infarcted Splenic Hemangioma with Renal Vein Thrombosis in a Newborn: A case Report. *Int Surg* 8:157-159,2002
39. Chien-Hsing Lee, Yu-Li Lin, Ching-Yi Hung. Congenital H-Type Tracheoesophageal Fistula: A case Report. *Formos J Surg* 34:159-162,2001
40. Chyan-Hsing Chang, Yu-Li Lin, Chien-Hsing Lee, Kun-Tu Yeh. Doudenal Duplication in an Aberrant Pancreatic Lobe causing Pancreatitis in A Child: A case Report. *Formos J Surg* 32:130-133,1999
41. Yu-Li Lin, Chyan-Hsing Chang, Chien-Hsing Lee, Kun-Tu Yeh. Perianal Granuloma Caused by Enterobius Vermicularis – A case Report. *Formos J Surg* 32:93-96,1999
42. Albert D. Yang, Chien-Hsing Lee, Julia H Chang, Jackson C.T Lin. Lipoma of the Mesentery in a Child: MRI appearance. *Medical Research in Changhua* 3:97-100,1998
43. Chien-Hsing Lee. Malignant Fibrous Histiocytomas in Children. *Formosan Journal of Surgery* 30:344-347,1997
44. Chien-Hsing Lee, Chyan-Hsing Chang, Kun-Tu Yeh. Actinomycosis of the Greater Omentum-A case report. *Journal Surg Assoc R.O.C.* 28:300-302,1995

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** Equal to first author

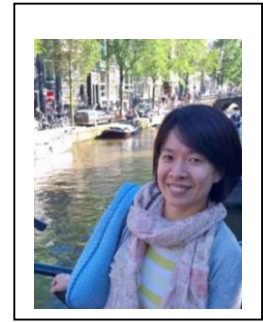
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Research Interests: Bacterial pathogenesis, gene regulation, and anti-bacterial pharmacology in Chinese medicine

Appointments:

2006-2008: Postdoctoral fellow: Institutes of Biotechnology and Pharmaceutical Research, National Health Research Institutes

2008-2009: Assistant Professor: Graduate Institute of Chinese Medicine, CMU

2009-2013: Assistant Professor: School of Chinese Medicine, CMU

2013-present: Associate Professor: School of Chinese Medicine, CMU

Research Interests:

Specific aims of our research focused on studying the regulation of virulence factors in *Klebsiella pneumoniae* and other bacteria. In addition, we also investigate the anti-bacterial mechanism of Chinese medicine. The projects being running in our laboratory are listed:

1. Cross-talking between second messengers, c-di-GMP and cAMP, in control of *K. pneumoniae* pathogenesis
2. Effect of oxygen and iron availability on regulating virulence factors in *K. pneumoniae*
3. To verify the anti-bacterial mechanism of Chinese medicine

Representative Publications:

1. **Ching-Ting Lin***, Tien-Huang Lin, Chien-Chen Wu, Lei Wan, Chun-Fa Huang, Hwei-Ling Peng* (2016, Sep). CRP-Cyclic AMP Regulates the Expression of Type 3 Fimbriae via Cyclic di-GMP in *Klebsiella pneumoniae*. Plos ONE, 11(9):e0162884.
2. Chien-Chen Wu, Chien-Kuo Wang, Yu-Ching Chen, Tien-Huang Lin, TzyyRong Jinn, **Ching-Ting Lin*** (2014, Sep). IscR Regulation of Capsular Polysaccharide Biosynthesis and Iron-Acquisition Systems in *Klebsiella pneumoniae* CG43. PLoS one, 9(9), e107812..
3. Chien-Chen Wu, **Ching-Ting Lin**, Ching-Yi Wu, Wu-Shun Peng, Ming-Ju Lee, and Ying-Chieh Tsai* (2014, Jun). Inhibitory effect of *Lactobacillus salivarius* on *Streptococcus mutans* biofilm formation. molecular oral microbiology, DOI: 10.1111/omi.12063.
4. Tien-Huang Lin, Su-Hua Huang, Chien-Chen Wu, Hsin-Ho Liu, Tzyy-Rong Jinn, Yeh Chen, and **Ching-Ting Lin*** (2013, Aug). Inhibition of *Klebsiella pneumoniae* growth and capsular polysaccharide biosynthesis by *Fructus mume*. Evidence-based Complementary and Alternative Medicine, 2013:621701.
5. **Ching-Ting Lin***, Yu-Ching Chen, Tzyy-Rong Jinn, Chien-Chen Wu, Yi-Ming Hong, Wen-Hao Wu (2013, Feb). Role of the cAMP-dependent Carbon Catabolite Repression in Capsular Polysaccharide Biosynthesis in *Klebsiella pneumoniae*. PLoS One, 8(2): e54430-.
6. Su-Hua Huang, Chien-Kuo Wang, Hwei-Ling Peng, Chien-Chen Wu, YingTsong Chen, Yi-Ming Hong, **Ching-Ting Lin*** (2012, Jul). Role of the small RNA RyhB in the Fur regulon in mediating the capsular polysaccharide biosynthesis and iron acquisition systems in *Klebsiella pneumoniae*. BMC microbiology

Professor, School of Chinese Medicine

Ph.D., Department of Life Science, National Tsing Hua University , 2005

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URL: <http://chmed.cmu.edu.tw/teacher-2.html>



Research Interests: Chinese Medicine, Medical Genetics, Viral Infection, Type 2 Diabetes and Diabetic complications

Academic Distinctions:

Supported by MOST Subsidies for Distinguished Talents (2016-2017)

Supported by Outstanding Faculty Research Award, CMU (2009-2012)

Appointments:

2013-present: Professor, School of Chinese Medicine, CMU

2009-2013: Associate professor, School of Chinese Medicine, CMU

2010- present: Associate Researcher, Genetic Center, Department of Medical Research, CMUH

2005-2010: Assistant Researcher, Genetic Center, Department of Medical Research, CMUH

2008-2009: Assistant professor, School of Chinese Medicine, CMU

2005-2008: Assistant professor, Graduate Institute of Acupuncture Science, CMU

2005-2005: Post-doctoral Researcher, Genetic Center, Department of Medical Research, CMUH

Representative Publications:

1. Tsai FJ, Ho TJ, Cheng CF, Liu X, Tsang H, Lin TH, Liao CC, Huang SM, Li JP, Lin CW, Lin JG, Lin JC, Lin CC, Liang WM, **Lin YJ**. Effect of Chinese herbal medicine on stroke patients with type 2 diabetes. *J Ethnopharmacol.* 2017 Feb 14. pii: S0378-8741(16)32417-5. doi: 10.1016/j.jep.2017.02.024.
2. Tsai FJ, Ho TJ, Cheng CF, Shiao YT, Chien WK, Chen JH, Liu X, Tsang H, Lin TH, Liao CC, Huang SM, Li JP, Lin CW, Lin JG, Lan YC, Liu YH, Hung CH, Lin JC, Lin CC, Lai CH, Liang WM, **Lin YJ**. Characteristics of Chinese herbal medicine usage in ischemic heart disease patients among type 2 diabetes and their protection against hydrogen peroxide-mediated apoptosis in H9C2 cardiomyoblasts. *Oncotarget.* 2017 Jan 14. doi: 10.18632/oncotarget.14657. (I F= 5.008 ; R/C= 36/213 (16.90%) , ONCOLOGY)
3. Huang KC, Li TM, Liu X, Chen JH, Chien WK, Shiao YT, Tsang H, Lin TH, Liao CC, Huang SM, Li JP, Lin CW, Lin JC, Lin CC, Lai CH, Cheng CF, Liang WM, Hung CH, Chen CC, **Lin YJ**, Tsai FJ. KCNQ1 Variants Associate with Hypertension in Type 2 Diabetes and Affect Smooth Muscle Contractility *In Vitro.* *J Cell Physiol.* 2017 Jan 6. doi: 10.1002/jcp.25775.)
4. **Lin YJ**, Ho TJ, Yeh YC, Cheng CF, Shiao YT, Wang CB, Chien WK, Chen JH, Liu X, Tsang H, Lin TH, Liao CC, Huang SM, Li JP, Lin CW, Pang HY, Lin JG, Lan YC, Liu YH, Chen SY, Tsai FJ, Liang WM. Chinese herbal medicine treatment improves the overall survival rate of individuals with hypertension among type 2 diabetes patients and modulates *in vitro* smooth muscle cell contractility. *PLOS ONE* 2015 Dec 23;10(12):e0145109. doi: 10.1371/journal.pone.0145109. eCollection 2015. (I F= 3.057 ; R/C= 11/63 (17.46%) , MULTIDISCIPLINARY SCIENCES)
5. **Lin YJ**, Chang JS, Liu X, Tsang H, Chien WK, Chen JH, Hsieh HY, Hsueh KC, Shiao YT, Li JP, Lin CW, Lai CH, Wu JY, Chen CH, Lin JG, Lin TH, Liao CC, Huang SM, Lan YC, Ho TJ, Liang WM, Yeh YC, Lin JC, Tsai FJ. Genetic variants in PLCB4/PLCB1 as susceptibility loci for coronary artery aneurysm formation in Kawasaki disease in Han Chinese in Taiwan. *Scientific Reports* 2015 Oct 5;5:14762. doi: 10.1038/srep14762. (I F= 5.228 ; R/C= 7/63 (11.11%) , MULTIDISCIPLINARY SCIENCES)
6. **Lin YJ**, Ho TJ, Lin TH, Hsu WY, Huang SM, Liao CC, Lai CH, Liu X, Tsang H, Lai CC, **Tsai FJ**. P-coumaric acid regulates exon 12 splicing of the ATP7B gene by modulating hnRNP A1 protein expressions. *Biomedicine (Taipei)*

LI-JEN LIN

Associate Professor, School of Chinese Medicine, College of Chinese Medicine, China Medical University

Ph.D., Graduate institute of Biotechnology, National Chung Hsin University (Taiwan), 2004

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URL: <http://chmed.cmu.edu.tw/english/faculty.html>



Research Interests: Asthma, Traditional Chinese Medicine, Biotechnology

Appointments:

2004-2007: Postdoctoral fellow: Graduate institute of Biotechnology, National Chung Hsin University

2007-2012: Assistant Professor: School of Chinese Medicine, College of Chinese Medicine, China Medical University

2012- present: Associate Professor: School of Chinese Medicine, College of Chinese Medicine, China Medical University

Research Interests:

Our term contains basic research workers and Doctors of Chinese Medicine. Our studies focus on basic and clinical research of traditional Chinese medicine in allergic asthma. We have *Dermatogoides pteronyssinus* challenged chronic asthmatic mice model to address the immunomodulatory effect of traditional Chinese medicine in asthma, and clinical trial to address the influence of traditional Chinese medicine in asthma patients.

Representative Publications:

1. [Development of alginate microspheres containing chuanxiong for oral administrate to adult zebrafish.](#) **Li-Jen Lin**, Chung-Jen Chiang, Yun-Peng Chao, Shulhn-Der Wang, Yu-Ting Chiou, Han-Yu Wang, Shung-Te Kao*. **Biomed Res Int.** 2016; 2016:4013071. doi: 10.1155/2016/4013071. (SCI)
2. [Glycyrrhizin, silymarin, and ursodeoxycholic acid regulate a common hepatoprotective pathway in HepG2 cells.](#) Hsiang CY#, **Lin LJ**#, Kao ST, Lo HY, Chou ST, Ho TY. **Phytomedicine.** 2015 Jul 15;22(7-8):768-77. (SCI).
3. [The immunomodulatory effect of You-Gui-Wan on *Dermatogoides-pteronyssinus*-induced asthma.](#) **Li-Jen Lin**, Chin-Che Lin, Shulhn-Der Wang, Yun-Peng Chao and Shung-Te Kao*. **Evidence-Based Complementary and Alternative Medicine.** 2012; Volume 2012, Article ID 476060. doi:10.1155/2012/476060 (SCI)
4. [Xiao-Qing-Long-Tang attenuates allergic airway inflammation and remodeling in repetitive *Dermatogoides pteronyssinus* challenged chronic asthmatic mice model.](#) Shulhn-Der Wang[¶], **Li-Jen Lin**[¶], Chih-Lung Chen, Shih-Chang Lee, Chin-Che Lin, Jiu-Yao Wang, and Shung-Te Kao*. **Journal of Ethnopharmacology.** 2012; 142:531-538. (SCI)



Vice Dean, College of Chinese Medicine
Professor, Graduate Institute of Chinese Medicine, College of Chinese Medicine

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Research Interests: New Drug Development, Chinese Medicinal Herbs

Academic Distinctions:

Distinguished Teaching Professor, College of Chinese Medicine, CMU (2012)

Distinguished Research Professor, CMU (2008-2017)

Distinguished Professor, CMU (2015-2017)

Experience:

1997-1998: Postdoctoral fellow: Animal Technology Laboratories

1998-1999: Associate Researcher: Animal Technology Laboratories

1999-2003: Assistant Professor: Graduate Institute of Chinese Medical Science, CMU

2003-2007: Associate Professor: Graduate Institute of Chinese Medical Science, CMU

2007-present: Professor: Graduate Institute of Chinese Medicine, CMU

2016-present: Vice Dean, College of Chinese Medicine

Research Interests:

The research topics in my lab are to identify novel pharmaceutical peptides or compounds from herbs or food. We combine bioinformatics, transcriptomics, proteomics, *in vivo* imaging, and animal disease models to discover potent pharmaceutical peptides or compounds for new drug development.

Representative Publications:

[Corn silk extract and its bioactive peptide ameliorated lipopolysaccharide-induced inflammation in mice via nuclear factor- \$\kappa\$ B signaling pathway.](#) Ho TY, Li CC, Lo HY, Chen FY, Hsiang CY*. **J Agric Food Chem.** 2017 Feb 1;65(4):759-768.

[Exploring the effect and mechanism of *Hibiscus sabdariffa* on urinary tract infection and experimental renal inflammation.](#) Chou ST, Lo HY, Li CC, Cheng LC, Chou PC, Lee YC, Ho TY*, Hsiang CY*. **J Ethnopharmacol.** 2016 Dec 24;194:617-625.

[Identification of the bioactive and consensus peptide motif from *Momordica charantia* insulin receptor-binding protein.](#) Lo HY, Li CC, Ho TY*, Hsiang CY*. **Food Chem.** 2016 Aug 1;204:298-305.

[Ginger and zingerone ameliorate lipopolysaccharide-induced acute systemic inflammation in mice, assessed by nuclear factor- \$\kappa\$ B bioluminescent imaging.](#) Hsiang CY, Cheng HM, Lo HY, Li CC, Chou PC, Lee YC, Ho TY*. **J Agric Food Chem.** 2015 Jul 8;63(26):6051-6058.

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[Ginger extract and zingerone ameliorated trinitrobenzene sulphonic acid-induced colitis in mice via modulation of nuclear factor- \$\kappa\$ B activity and interleukin-1 \$\beta\$ signalling pathway.](#) Hsiang CY, Lo HY, Huang HC, Li CC, Wu SL, Ho TY*. **Food Chem.** 2013 Jan 1;136(1):170-177.

CMU Faculty Profile



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EDUCATION

- Ph.D., Division of Preventive Medicine, Institute of Public Health, National Yang-Ming University, Taichung, Taiwan. (1997.09-2005.09)
M.S., Institute of Toxicology, Chung Shan Medical University, Taichung, Taiwan. (1997.09-1999.07)
B.S., Department of Nutrition, China Medical University, Taichung, Taiwan. (1992.09-1996.07)

WORKING AND RESEARCH EXPERIENCE

- 2014.04-present Associate Research Fellow, Genetic Center, Department of Medical Research, China Medical University Hospital.
2013.08-present Associate Professor, Graduate Institute of Chinese Medical Science, China Medical University, Taiwan.
2008.08- 2014.03 Assistant Research Fellow, Genetic Center, Department of Medical Research, China Medical University Hospital.
2009.02- 2013.07 Assistant Professor, Graduate Institute of Chinese Medical Science, China Medical University, Taiwan.
2005.10-2008.04 Postdoctoral Fellow, Section on Cellular Differentiation Heritable Disorders Branch, NICHD, NIH, U.S.A.

ASSOCIATIONIST

1. Society of Preventive Medicine in Taiwan (SPMT)
2. The Chinese Society of Cell and Molecular Biology(CSCMB)
3. The Chinese Society of Toxicology(CST)

PROFESSIONAL SPECIALTY

Preventive Medicine 、 Public Health 、 Cell and Gene Toxicology 、 Tumor and Molecular Biology 、 Genetics and Metabolomics

HONORS AND AWARDS

1. Education Award, from the Ministry of Education, Taiwan, 1999~2004.
2. Research award, excellent publication by Ph.D. candidate, from National Yang Ming University, 2004. (12 number of person per year).
3. Research award, excellent publication by Ph.D. candidate, from Cancer Control and Prevention Division, Bureau of Health Promotion, Department of Health, The Executive Yuan, Taiwan, Republic of China, 2004. (3 number of person per year).
4. Poster Presentation Award, from the 24th Joint Annual Conference of Biomedical Science, Taiwan 2009. (22/875 of posters in 2009)
5. Journal reviewer of *Pediatric Allergy and Immunology* (PEDIATRICS:13/86; IF: 2.723) (2009.01-present)
6. Journal reviewer of *Postgraduate Medicine* (2010.11-present)
7. Director of Taichung Disabled Persons Sport Federation, Taiwan (2011.02-present)
8. Journal reviewer of *The Journal of Rheumatology* (RHEUMATOLOGY:11/29; IF: 3.551) (2011.08-present)
9. Journal reviewer of *Diabetes Research and Clinical Practice* (ENDOCRINOLOGY & METABOLISM:58/121; IF: 2.741) (2013.08-present)
10. Journal reviewer of *International Journal of Stroke* (PERIPHERAL VASCULAR DISEASE:24/63; IF: 3.044) (2016.08-present)

INTERESTS

The major on-going projects include:

1. Study the regulations of blood circulation and epigenetic regulation in Type II Diabetes Mellitus.
2. Taiwan Biobank and Taiwan Biosignature Programs (The part of Type II Diabetes Mellitus).
3. Immunogenetics studies including Kawasaki Disease (KD), systemic lupus erythematosus (SLE), rheumatoid arthritis (RA), and membranous glomerulonephritis (MGN): using the cohort in Taiwan.
4. Study the effect of traditional Chinese medicine (TCM) on alcohol metabolic pathway.(TCM drug screening platform)

PUBLICATION

2017 Huang CM, Chen HH, Chen DC, Huang YC, Liu SP, Lin YJ, Chang YY, Lin HW, TsaiFJ, **Chen SY**. Rheumatoid Arthritis is associated with rs17337023 Polymorphism and increased serum level of the EGFR protein. (**PLOS One, revised-R3**)

2017 Lin HW, Liu CW, Yang DJ, Chen CC, **Chen SY**, Tseng JK, Chang TJ, Chang YY. The Dunaliella salina alga extract inhibits the production of interleukin-6, nitric oxide, and reactive oxygen species by regulating nuclear factor- B/Janus kinase/signal transducer and activator of transcription in virus-infected RAW264.7 cells. (**Journal of Food and Drug Analysis, accepted**) (**FOOD SCIENCE & TECHNOLOGY: 39/125; IF:1.98**)

2017 **Chen SY**, Chen HH, Huang YC, Liu SP, Lin YJ, Lo SF, Chang YY, Lin HW, Huang CM, Tsai FJ. Polymorphism and Protein Expression of MUTYH Gene on the Risk for Rheumatoid Arthritis. (**BMC Musculoskeletal Disorders, 2017 Feb 7;18(1):69**) (**ORTHOPEDECS: 30/74; IF:1.684**)

2017 Lu CC, Chen YT, **Chen SY**, Hsu YM, Lin CC, Tsao JW, Juan YN, Yang JS, Tsai FJ. Hematopoietically Expressed Homeobox (HHEX) gene is associated with Type 2 Diabetes in KK Cg-Ay/J (KK-Ay) Mice and Taiwan's Han Chinese Population. Experimental and Therapeutic Medicine. (**International Journal of Molecular Medicine, 2016 Dec 21 (accepted)**) (**MEDICINE, RESEARCH & EXPERIMENTAL: 63/124; IF:2.348**)

- 2016 Liu SP, Lin CH, Lin SJ, Fu RH, Huang YC, **Chen SY**, Lin SZ, Hsu CY, Shyu WC. Electrospun Polyacrylonitrile-Based Nanofibers Maintain Embryonic Stem Cell Stemness via TGF-Beta Signaling. **J Biomed Nanotechnol.** 2016 Apr;12(4):732-42.
- 2016 **Chen SY**, Hsu YM, Lin YJ, Huang YC, Chen CJ, Lin WD, Liao WL, Chen YT, Lin WY, Liu YH, Yang JS, Sheu JC, Tsai FJ. Current concepts regarding developmental mechanisms in diabetic retinopathy in Taiwan. **Biomedicine (Taipei).** 2016 Jun;6(2):7.
- 2016 Liu CW, Lin HW, Yang DJ, **Chen SY**, Tseng JK, Chang TJ, Chang YY. Luteolin inhibits viral-induced inflammatory response in RAW264.7 cells via suppression of STAT1/3 dependent NF- κ B and activation of HO-1. **Free Radic Biol Med.** 2016 Jun;95:180-9.
- 2016 Chi K, Fu RH, Huang YC, **Chen SY**, Lin SZ, Huang PC, Lin PC, Chang FK, Liu SP. Therapeutic Effect of Ligustilide-Stimulated Adipose-Derived Stem Cells in a Mouse Thromboembolic Stroke Model. **Cell Transplant.** 2016;25(5):899-912.
- 2015 Lin YJ, Ho TJ, Yeh YC, Cheng CF, Shiao YT, Wang CB, Chien WK, Chen JH, Liu X, Tsang H, Lin TH, Liao CC, Huang SM, Li JP, Lin CW, Pang HY, Lin JG, Lan YC, Liu YH, **Chen SY**, Tsai FJ, Liang WM. Chinese Herbal Medicine Treatment Improves the Overall Survival Rate of Individuals with Hypertension among Type 2 Diabetes Patients and Modulates In Vitro Smooth Muscle Cell Contractility. **PLoS One.** 2015 Dec 23;10(12):e0145109.
- 2015 Huang CM, **Chen SY**, Huang PH, Tsai FJ. Effect of MPG gene rs2858056 polymorphism, copy number variation, and level of serum MPG protein on the risk for rheumatoid arthritis. **PLoS One.** 2015 Mar 10;10(3):e0120699. (Contribution Equally with First Author)
- 2015 Liu SP, Hsu CY, Fu RH, Huang YC, **Chen SY**, Lin SZ, Shyu WC. Sambucus williamsii induced embryonic stem cells differentiated into neurons. **Biomedicine (Taipei).** 2015;5(1):3. Epub 2015 Feb 2.
- 2015 Huang CY, Chen SY, Fu RH, Huang YC, **Chen SY**, Shyu WC, Lin SZ, Liu SP. Differentiation of embryonic stem cells into cardiomyocytes used to investigate the cardioprotective effect of salvianolic acid B through BNIP3 involved pathway. **Cell Transplant.** 2015;24(3):561-71.
- 2014 **Shih-Yin Chen**, Cheng-Hsu Chen, Yu-Chuen Huang, Chia-Jung Chan, Da-Chung

- Chen, Fuu-Jen Tsai. Genetic susceptibility to idiopathic membranous nephropathy in high-prevalence Area, Taiwan. **Biomedicine (Taipei)**. 2014;4:9. Epub 2014 Aug 6.
- 2014 Lin HW, Chen YC, Liu CW, Yang DJ, **Chen SY**, Chang TJ, Chang YY. Regulation of virus-induced inflammatory response by Dunaliella salina alga extract in macrophages. **Food Chem Toxicol**. 2014 Sep;71:159-65. (FOOD SCIENCE & TECHNOLOGY: 12/124; IF:3.01)
- 2014 Chen CH, **Chen SY**, Shu KH, Cheng CH, Wen MC, Wu MJ, Yu TM, Chuang YW and Tsai FJ. Urokinase gene 3'-UTR T/C polymorphism is associated with malignancy and ESRD in idiopathic membranous nephropathy. **BioMed Research International (formerly titled Journal of Biomedicine and Biotechnology)** 2014 (Epub 2014 Apr 14) (BIOTECHNOLOGY & APPLIED MICROBIOLOGY: 50/160; IF:2.88)
- 2014 Liu CH, Shyu WC, Fu RH, Huang SJ, Chang CH, Huang YC, **Chen SY**, Lin SZ, Liu SP. Salvianolic acid B maintained stem cell pluripotency and increased proliferation rate by activating Jak2-Stat3 combined with EGFR-Erk1/2 pathways. **Cell Transplant**. 2014;23(4-5):657-68. (TRANSPLANTATION: 4/26; IF: 4.422)
- 2014 Chen YT, Liao WL, Lin YJ, **Chen SY**, Tsai FJ. Association Between SRC-1 Gene Polymorphisms and Coronary Artery Aneurysms Formation in Taiwanese Children With Kawasaki Disease. **Journal of Clinical Laboratory Analysis** 2014 Mar 20. (MEDICAL LABORATORY TECHNOLOGY: 18/31; IF: 1.356)
- 2014 Chen YT, **Chen SY**, Lin YJ, Huang CM, Chang YY, and Tsai FJ. Association between XRCC3 Thr241Met SNP and systemic lupus erythematosus in Han Chinese patients in Taiwan, and a meta-analysis of healthy populations. **Journal of Clinical Laboratory Analysis** 2014 Mar;28(2):118-23. (MEDICAL LABORATORY TECHNOLOGY: 18/31; IF: 1.356) (Contribution Equally with First Author)
- 2013 Chen YT, Chen CH, Yen CH, Chen SY, Tsai FJ. Association between MYH9 gene polymorphisms and membranous glomerulonephritis patients in Taiwan. **ScienceAsia** 39 (2013): 625–630 (MULTIDISCIPLINARY SCIENCES: 35/56; IF: 0.398) (Contribution Equally with first Author)
- 2013 Chen YT, Wei CC, Ng KL, Chen CH, Chan CJ, Chen XX, Chang YY, **Chen SY**, Tsai FJ. Toll-like receptor 9 SNPs are susceptible to the development and

- progression of membranous glomerulonephritis: 27 years follow up in Taiwan. **Renal Failure** 2013 Nov;35(10):1370-5. (UROLOGY & NEPHROLOGY: 60/73; IF: 0.941) (Contribution Equally with Corresponding Author)
- 2013 Yen CH, Lin YT, Chen HL, Chen SY, Chen YM. The multi-functional roles of GNMT in toxicology and cancer. **Toxicol Appl Pharm.** 2013 Jan 1;266(1):67-75. (TOXICOLOGY: 10/83; IF: 4.447)
- 2013 Chen WH, Tzen J, Hsieh CL, Chen YH, Lin TJ, Chen SY, Lin YW. Attenuation of TRPV1 and TRPV4 expression and function in mouse inflammatory pain models using electroacupuncture. **EVID-BASED COMPL ALT.** 2012 (INTEGRATIVE & COMPLEMENTARY MEDICINE: 1/22; IF: 4.774) (Contribution Equally with corresponding Author)
- 2013 Lo SF, Chang SN, Muo CH, Chen SY, Liao FY, Dee SW, Chen PC, Sung FC. A Modest Increase in Risk of Specific Types of Cancer Types in Type 2 Diabetes Mellitus Patients. **Int. J. Cancer.** 2013 Jan 1;132(1):182-8. (ONCOLOGY: 27/196; IF: 5.444)
- 2013 Liu SP, Fu RH, Huang SJ, Huang YC, Chen SY, Chang CH, Liou CH, Tsai CH, Shyu WC, Lin SZ. Stem Cell Applications in Regenerative Medicine for Neurological Disorders. **Cell Transplant.** 2013;22(4):631-7. (Transplantation: 1/25; IF: 6.204)
- 2012 Liu SP, Harn HJ, Chien YJ, Chang CH, Hsu CY, Fu RH, Huang YC, Chen SY, Shyu WC, Lin SZ. n-Butylideneephthalide (BP) Maintains Stem Cell Pluripotency by Activating Jak2/Stat3 Pathway and Increases the Efficiency of iPS Cells Generation. **PLoS One.** 2012;7(9):e44024. Epub 2012 Sep 7. (BIOLOGY: 12/85; IF: 4.092)
- 2012 Lo SF, Wan L, Lin HC, Huang CM, Chen SY, Liu SC, Tsai FJ. Association of rheumatoid arthritis risk with EGFR genetic polymorphisms in Taiwan's Han Chinese population. **Rheumatol Int.** 2012 Aug; 32(8):2301-6. (RHEUMATOLOGY: 19/29; IF: 1.885)
- 2012 Lin YJ, Lan YC, Huang YC, Lin TH, Huang SM, Lai CC, Liu CS, Lin CW, Chen SY, Tsai FJ. Effects of cytokine and cytokine receptor gene variation on high anti-HBs titers: Following up on Taiwan's neonatal hepatitis B immunization program. **Clin Chim Acta.** 2012 Aug 16;413(15-16):1194-8. (MEDICAL LABORATORY TECHNOLOGY: 6/32; IF: 2.535)
- 2012 Chen SY, Wan L, Huang CM, Huang YC, Sheu JJC, Lin YJ, Liu SP, Lan YC, Lai

- CH, Lin CW, Tsai CH, and Tsai FJ. Association of the C-285T and A5954G Polymorphisms in the DNA repair gene OGG1 with the Susceptibility of Rheumatoid Arthritis. *Rheumatol Int.* 2012 May; 32(5):1165-9. **(RHEUMATOLOGY: 19/29; IF: 1.885)**
- 2012 Hsieh YY, Chang CC, **Chen SY**, Chen CP, Lin WH, Tsai FJ. XRCC1 399 Arg-related genotype and allele, but not XRCC1 His107Arg, XRCC1 Trp194Arg, KCNQ2, AT1R, and hOGG1 polymorphisms, are associated with higher susceptibility of endometriosis. *Gynecol Endocrinol.* 2012 Apr;28(4):305-9. **(OBSTETRICS & GYNECOLOGY: 43/79; IF: 1.581)**
- 2012 Lo SF, Wan L, Huang CM, Lin HC, **Chen SY**, Liu SC, Tsai FJ. Genetic polymorphisms of the DNA repair gene *UNG* are associated with the susceptibility of rheumatoid arthritis. *Rheumatol Int.* 2012 Dec;32(12):3723-7. **(RHEUMATOLOGY: 19/29; IF: 1.885)**
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(Contribution Equally with First Author)
- 2011 Hsieh YY, Chang CC, Hsu CM, Wan L, **Chen SY**, Lin WH, Tsai FJ. JAK-1 rs2780895 C-Related Genotype and Allele but not JAK-1 rs10789166, rs4916008, rs2780885, rs17127114, and rs3806277 are Associated with Higher Susceptibility to Asthma. *Genet Test Mol Bioma.* 2011 Dec;15(12):841-7. 2011 Dec;15(12): 841-7. **(GENETICS & HEREDITY: 132/158; IF: 1.11)**
- 2011 Hsieh YY, Chang CC, Hsu CM, **Chen SY**, Lin WH, Tsai FJ. Major Histocompatibility Complex Class I Chain-Related Gene Polymorphisms: Associated with Susceptibility to Kawasaki Disease and Coronary Artery Aneurysms. *Genet Test Mol Biomarkers.* 2011 Nov;15(11):755-63. 2011 Aug 4. [Epub ahead of print] **(GENETICS & HEREDITY: 132/158; IF: 1.11)**
- 2011 **Chen SY**, Lin YJ, Chang JS, Huang YC, Wan L, Sheu JJC, Hsieh YY, Tsai FJ. Association between 17 α -HSD8 Polymorphisms and Kawasaki Disease among Han Chinese Children in Taiwan. *ScienceAsia.* 2011; 37: 214-218. **(MULTIDISCIPLINARY SCIENCES: 33/56; IF: 0.344)**
- 2011 **Chen SY**, Chen CC, Huang YC, Chan CJ, Hsieh YY, Tu MC, Tsai CH, Tsai FJ. Association of STAT4 Polymorphisms with Susceptibility to Primary Membranous Glomerulonephritis and Renal Failure. *Clin Chim Acta.* 2011 Oct 9;412(21-22):1899-904. **(MEDICAL LABORATORY TECHNOLOGY: 6/32;**

IF: 2.535)

- 2011 Jou YJ, Lin CD, Lai CH, Tang CH, Huang SH, Tsai MH, **Chen SY**, Kao JY, Lin CW. Salivary zinc finger protein 510 peptide as a novel biomarker for detection of oral squamous cell carcinoma in early stages. *Clin Chim Acta*. 2011 Jul 15;412(15-16):1357-65. (**MEDICAL LABORATORY TECHNOLOGY: 6/32; IF: 2.535)**
- 2011 Hsu YA, Lin HJ, Sheu JJ, Shieh FK, **Chen SY**, Lai CH, Tsai FJ, Wan L, Chen BH. A Novel Interaction Between Interferon-Inducible Protein p56 and Ribosomal Protein L15 in Gastric Cancer Cells. *DNA Cell Biol*. 2011 Sep 30(9): 671-9. (**GENETICS & HEREDITY: 102/158; IF: 2.072)**
- 2011 Wang YC, Tang FY, **Chen SY**, Chen YM, Chiang EP. Glycine-N Methyltransferase Expression in HepG2 Cells Is Involved in Methyl Group Homeostasis by Regulating Transmethylation Kinetics and DNA Methylation. *J Nutr*. 2011 Mar 141(5):777-82. (**NUTRITION & DIETETICS: 10/74; IF: 3.916)**
- 2011 Huang YC, Lin JM, Lin HJ, Chen CC, **Chen SY**, Tsai CH, and Tsai FJ. Genome-wide association study for diabetic retinopathy in a Taiwanese population. *Ophthalmology*. 2010; 118(4):642-8. (**OPHTHALMOLOGY: 2/58; IF: 5.454)**
- 2011 Liu SP, Fu RH, Huang YC, **Chen SY**, Chien YJ, Hsu CY, Tsai CH, Shyu WC, Lin SZ. Induced Pluripotent Stem (iPS) Cell Research Overview. *Cell Transplant*. 2011;20(1):15-9. (**Transplantation: 1/25; IF: 6.204)**
- 2011 **Chen SY**, Huang YC, Liu SP, Tsai FJ, Shyu WC, Lin SZ. An Overview of Concepts for Cancer Stem Cells. *Cell Transplant*. 2011;20(1):113-20 (**Transplantation: 1/25; IF: 6.204)**
- 2010 **Chen SY**, Wan L, Huang CM, Huang YC, Sheu JJC, Lin YJ, Liu SP, Lan YC, Lai CH, Lin CW, Tsai CH, and Tsai FJ. Genetic polymorphisms of the DNA repair gene *MPG* are associated with the susceptibility of rheumatoid arthritis. *J Appl Genet*. 2010; 51(4):519-21. (**BIOTECHNOLOGY & APPLIED MICROBIOLOGY: 96/158; IF: 1.664)**
- 2010 Jou YJ, Lin CD, Lai CH, Chen CH, Kao JY, **Chen SY**, Tsai MH, Huang SH, Lin CW. Proteomic identification of salivary transferrin as a biomarker for early detection of oral cancer. *Anal Chim Acta*. 2010 Nov 29; 681(1-2): 41-8. (**CHEMISTRY, ANALYTICAL: 5/73; IF: 4.555)**
- 2010 **Chen SY**, Chen CH, Huang YC, Chuang HM, Lo MM, Tsai FJ. Effect of IL-6 C-

- 572G Polymorphism on Idiopathic Membranous Nephropathy Risk in a Han Chinese Population. *Renal Failure*. 2010; 32(10):1172-6. (**UROLOGY & NEPHROLOGY: 61/73; IF: 0.824**)
- 2010 Liu YH, Chen CH, **Chen SY**, Lin YJ, Liao WL, Tsai CH, Wan L, Tsai FJ. Association of phospholipase A2 receptor 1 polymorphisms with idiopathic membranous nephropathy in Chinese patients in Taiwan. *J Biomed Sci*. 2010 Oct 11;17(1):81. (**MEDICINE, RESEARCH & EXPERIMENTAL: 63/112; IF: 1.98**)
- 2010 Huang YC, Lin YJ, Chang JS, **Chen SY**, Wan L, Sheu JJ, Lai CH, Lin CW, Liu SP, Chen CP, and Tsai FJ. Single nucleotide polymorphism rs2229634 in the ITPR3 gene is associated with the risk of developing coronary artery aneurysm in children with Kawasaki disease. *Int J Immunogenet*. 2010 Dec 37(6): 439-43. (**GENETICS & HEREDITY: 128/158; IF: 1.29**)
- 2010 Sheu JJ, Lin YJ, Chang JS, Wan L, **Chen SY**, Huang YC, Chan C, Chiu IW, Tsai FJ. Association of COL11A2 polymorphism with susceptibility to Kawasaki disease and development of coronary artery lesions. *Int J Immunogenet*. 2010 Dec 37(6): 487-92. (**GENETICS & HEREDITY: 128/158; IF: 1.29**)
- 2010 Lin YJ, Wan L, Huang CM, Sheu J.J.C, **Chen S.Y**, Lin TH, Chen DY, Lai CH, Hsueh KC, Lai CC, Tsai FJ. IL-10 and TNF- α ; promoter polymorphisms in susceptibility to systemic lupus erythematosus in Taiwan. *Clin Exp Rheumatol*. 2010; 28(3): 318-24. (**RHEUMATOLOGY: 17/29; IF: 2.148**)
- 2010 Chen WC, **Chen SY**, Chen CH, Chen HY, Lin YW, Ho TJ, Huang YC, Shen JL, Tsai FJ, Chen YH. Lack of Association between Transient Receptor Potential Cation Channel 6 Polymorphisms and Primary Membranous Glomerulonephritis. *Renal Failure*. 2010; 32(6): 666-672. (**UROLOGY & NEPHROLOGY: 61/73; IF: 0.824**) (**Contribution Equally with First Author**)
- 2010 Huang YC, Lin YJ, Chang JS, **Chen SY**, Wan L, Sheu JJC, Lai CH, Lin CW, Liu SP, Tsai FJ. Haplotype of BAK1 (BCL2 antagonist killer 1) polymorphisms associated with the risk of developing Kawasaki disease in Taiwanese children. *ScienceAsia*. 2010; 36(2): 125-129. (**MULTIDISCIPLINARY SCIENCES: 33/56; IF: 0.344**)
- 2010 **Chen SY**, Chen WC, Chen CH, Huang YC, Lin YW, Lin WY, Chen HY, Ho TJ, Chen FJ, Chen YH, Tsai FJ. Association of Toll-like Receptor 4 Gene Polymorphisms with Primary Membranous Nephropathy in a High Prevalence Renal Disease Area – Taiwan. *ScienceAsia*. 2010; 36(2): 130-136.

(MULTIDISCIPLINARY SCIENCES: 33/56; IF: 0.344)

- 2010 Lai CH, Chang NW, Lin CF, Lin CD, Lin YJ, Wan L, Sheu JJ, **Chen SY**, Huang YP, Sing YT, Tao TW, Lai CK, Tsai MH, Chan HL, Jou YJ, Lin CW. Proteomics-based identification of haptoglobin as a novel plasma biomarker in oral squamous cell carcinoma. *Clin Chim Acta*. 2010 Jul 4; 411(13-14): 984-91. **(MEDICAL LABORATORY TECHNOLOGY: 6/32; IF: 2.535)**
- 2010 Lo WY, **Chen SY**, Wang HJ, Shih HC, Chen CH, Tsai CH, Tsai FJ. Association between genetic polymorphisms of the NPHS1 gene and membranous glomerulonephritis in the Taiwanese population. *Clin Chim Acta*. 2010; 411(9-10):714-8. **(MEDICAL LABORATORY TECHNOLOGY: 6/32; IF: 2.535)**
- 2009 Lin, Y.J., Wan, L., Huang, C.M., **Chen, S.Y.**, Huang, Y.C., Lai, C.H., Lin, W.Y., Liu, H.P., Wu, Y.S., Chen, C.M., Tsai, Y., Tsai, C.H., Sheu, J., Tsai, F.J. Polymorphisms in the DNA repair gene XRCC1 and associations with systemic lupus erythematosus risk in the Taiwanese Han Chinese population. *Lupus*. 2009; 18(14):1246-51. **(RHEUMATOLOGY: 15/29; IF: 2.337)**
- 2009 Lin YJ, Chen RH, Wan L, Sheu JC, Huang CM, Lin CW, **Chen SY**, Lai CH, Lan YC, Hsueh KC, Tsai CH, Lin TH, Huang YM, Chao K, Chen DY, Tsai FJ. Association of TNF- α gene polymorphisms with systemic lupus erythematosus in Taiwanese patients. *Lupus* (2009) 18, 974–979. **(RHEUMATOLOGY: 15/29; IF: 2.337)**
- 2009 **Chen, S.Y.**, Wan, L., Huang, Y.C., Sheu, J.J.C., Lan, Y.C., Lai, C.H., Lin, C.W., Chang, J.S., Tsai, Y., Liu, S.P., Lin, Y.J., Tsai, F.J. Interleukin-18 gene 105A/C genetic polymorphism contributes to the susceptibility of Kawasaki disease. *J Clin Lab Anal*. 23: 71-76, 2009. **(MEDICAL LABORATORY TECHNOLOGY: 15/32; IF: 1.384)**
- 2009 Yen, C.H., Hung, J.H., Ueng, Y.F., Liu, S.P., **Chen, S.Y.**, Chou, T.Y., Tsai, T.F., Darbha, R., Ji, X., Hsieh, L.L., and Chen Y.M.A. Glycine N-Methyltransferase Affects the Metabolism of Aflatoxin B1 and Blocks its Carcinogenic Effect. *Toxicol Appl Pharm*. 235(3):296-304, 2009. **(TOXICOLOGY: 10/83; IF: 4.447)**
- 2009 Pan, C.J., **Chen, S.Y.**, Lee, S., Chou, J.Y. Structure-function study of the glucose-6-phosphate transporter, an eukaryotic antiporter deficient in glycogen storage disease type Ib. *Mol. Genet. Metab*. 96(1):32-7, 2009. **(MEDICINE, RESEARCH & EXPERIMENTAL: 35/112; IF: 3.193)**

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- 2008 **Chen, S.Y.**, Pan, C.J., Nandigama, K., Mansfield, B.C., Ambudkar, S., Chou, J.Y. The Glucose-6-Phosphate Transporter is a Phosphate-Linked Antiporter Deficient in Glycogen Storage Disease Type Ib and Ic. *FASEB J.* 22(7):2206-13, 2008. (**BIOLOGY: 7/85; IF: 5.712**).
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- 2004 **Chen, S.Y.**, Lin, J.R.V, Ramalakshmi Darbha, Liu, T.Y. and Chen Y.M.A. Glycine N-methyltransferase tumor susceptibility gene in the benzo(a)pyrene-detoxification pathway. *Cancer Res.* 64(10): 3617-23, 2004. (**ONCOLOGY: 12/196; IF:7.856**)
- 1999 Chang K.W., Lee, H., Wang, H.J., **Chen, S.Y.**, Lin, P. Differential response to benzo[A]pyrene in human lung adenocarcinoma cell lines: the absence of aryl hydrocarbon receptor activation. *Life Sci.* 65(13):1339-49, 1999. (**PHARMACOLOGY & PHARMACY: 107/261; IF:2.527**)

CMU Faculty Profile

CHIN-YI CHENG

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Research Interests: Cerebral ischemia, Chinese medicine, Acupuncture

Appointments:

2013-present: Assistant Professor: School of Chinese Medicine, College of Chinese Medicine
, CMU

Research Interests:

The research themes in my lab aim to investigate the effects and mechanisms of traditional Chinese medicine and acupuncture in cerebral ischemia models.

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Research Interests: Cancer molecular biology, Chinese medicine

Appointments:

2005-2009: Associate Professor: Chang Gung University
2006-2008: Research Scholar: School of Pharmacy, Yale University
2009-2015: Professor: Chang Gung University
2000-2015: Director: Kaohsiung Chang Gung Memorial Hospital
2016-present: Director: Department of Chinese Medicine, CMUH
2016-present: Professor: Department of Chinese Medicine, CMU

Research Interests:

The research themes of my lab aim to decipher the cancer biology and signaling pathways associated with TCM. We have combined the biochemical approaches and disease mouse model to address the inhibition of cancer progression related to the genomic and metabolomics approach. Several areas of the research are actively studied in my lab.

Representative Publications:

1. Lin TK, Chen SD, Chuang YC, Lin HY, Huang CR, Chuang JH, Wang PW, Huang ST, Tiao MM, Chen JB, Liou CW. Resveratrol partially prevents rotenone-induced neurotoxicity in dopaminergic SH-SY5Y cells through induction of heme oxygenase-1 dependent autophagy. *Int J Mol Sci*. 2014 Jan 22;15(1):1625-46. doi: 10.3390/ijms15011625. (SCI) (IF: 2.339, Ranking: 52/148).
2. Huang ST*, Bi KW, Kuo HM, Lin TK, Liao PL, Wang PW, Chuang JH, Liou CW. *Phyllanthus urinaria* induces mitochondrial dysfunction in human osteosarcoma 143B cells associated with modulation of mitochondrial fission/fusion proteins. *Mitochondrion*. 2014 Jul;17:22-33. doi: 10.1016/j.mito.2014.05.002. Epub 2014 May 14. (SCI) (IF: 3.524, Ranking: 52/165).
3. Tsai MY, Liu CT, Chang CC, Chen SY, Huang ST*. Overview of the relevant literature on the possible role of acupuncture in treating male sexual dysfunction. *Acupunct Med*. 2014 Oct;32(5):406-10. doi: 10.1136/acupmed-2014-010592. Epub 2014 Jul 21. (SCI) (IF: 1.676, Ranking: 9/22).
4. Yang RC, Chang CC, Sheen JM, Wu HT, Pang JH, Huang ST*. *Davallia bilabiata* inhibits TNF- α -induced adhesion molecules and chemokines by suppressing IKK/NF-kappa B pathway in vascular endothelial cells. *Am J Chin Med*. 2014;42(6):1411-29. (SCI)
5. Lin HY, Liou CW, Chen SD, Hsu TY, Chuang JH, Wang PW, Huang ST, Tiao MM, Chen JB, Lin TK, Chuang YC. *Mitochondrion*. 2015 May;22:31-44. doi: 10.1016/j.mito.2015.02.006. Epub 2015 Mar 3. (SCI)

6. Huang ST, Chang HN, Yeh YC, Wang HS, Wang TH, Wu YH, Pang JH.
J Ethnopharmacol. 2015 Nov 4;174:474-81.
doi: 10.1016/j.jep.2015.08.050. (SCI)
7. Hsueh TP, Sheen JM, Pang JH, Bi KW, Huang CC, Wu HT, Huang ST*.
Molecules. 2016 Feb 5;21(2). pii: E195. doi:
10.3390/molecules21020195. (SCI)
8. Tang WR, Yang SH, Yu CT, Wang CC, Huang ST, Huang TH, Chiang MC, Chang YC.
J Altern Complement Med. 2016
Mar;22(3):212-22. doi: 10.1089/acm.2015.0214. (SCI)
9. Huang ST, Huang CC, Sheen JM, Lin TK, Liao PL, Huang WL, Wang PW, Liou CW, Chuang JH.
Am J Chin Med.
2016;44(7):1507-1523. (SCI)
10. Liu CT, Bi KW, Huang CC, Wu HT, Ho HY, S Pang JH, Huang ST*. Davallia bilabiata exhibits anti-angiogenic effect with modified MMP-2/TIMP-2 secretion and inhibited VEGF ligand/receptors expression in vascular endothelial cells. Ethnopharmacol. 2017;196:213-224. (SCI)
11. Huang ST*, Huang CC, Huang WL, Lin TK, Liao PL, Wang PW, Liou CW, Chuang JH. Tanshinone IIA induces intrinsic apoptosis in osteosarcoma cells both in vivo and in vitro associated with mitochondrial dysfunction. Sci Rep. 2017 Jan 20;7:40382. doi: 10.1038/srep40382..

Associate Professor, School of Chinese Medicine, College of Chinese Medicine

Ph.D., National Yang-Ming University (Taiwan), 2007

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Research Interests: Genetic Epidemiology, Molecular Epidemiology, Biostatistics

Academic Distinctions:

Distinguished Teaching Professor, School of Chinese Medicine, CMU (2014)

Appointments:

2007-2009: Postdoctoral fellow: Institute of Physics, Academia Sinica and Department of Medical Research, Mackey Memorial Hospital

2009-2013: Assistant Professor: School of Chinese Medicine, CMU

2013-present: Associate Professor: School of Chinese Medicine, CMU

2009-present: Assistant Research Fellow: Genetic Center, CMUH

Research Interests:

My research works has focused on the following areas:

1. Identification of the susceptibility genes that increase the risk of ophthalmic diseases in type 2 diabetes.
2. Investigation of novel type 2 diabetic retinopathy target genes and characterizing their mechanisms of regulation.
3. Development of novel natural compounds for modulation of diabetic retinopathy.
4. Using Chinese medical diagnostic devices for characterizing the complications of type 2 diabetes

Representative Publications:

The association between arterial stiffness and tongue manifestations of blood stasis in patients with type 2 diabetes. Hsu PC, **Huang YC***, Chiang JY, Chang HH, Liao PY*, Lo LC*. BMC Complement Altern Med. 2016 Aug 27;16(1):324.

Pegylated gold nanoparticles induce apoptosis in human chronic myeloid leukemia cells. **Huang YC**, Yang YC, Yang KC, Shieh HR, Wang TY, Hwu Y, Chen YJ*. Biomed Res Int. 2014;2014:182353.

Targeting sonic hedgehog signaling by compounds and derivatives from natural products. **Huang YC**, Chao KS, Liao HF, Chen YJ*. Evid Based Complement Alternat Med. 2013;2013:748587.

Overnight orthokeratology is comparable with atropine in controlling myopia. Lin HJ, Wan L, Tsai FJ, Tsai YY, Chen LA, Tsai AL, **Huang YC***. BMC Ophthalmol. 2014 Mar 31;14:40.

Association of genes on chromosome 6, GRIK2 , TMEM217 and TMEM63B (linked to MRPL14) with diabetic retinopathy. Lin HJ, **Huang YC***, Lin JM, Wu JY, Chen LA, Tsai FJ*. Ophthalmologica. 2013;229(1):54-60.

Genome-wide association study of diabetic retinopathy in a Taiwanese population. **Huang YC**, Lin JM, Lin HJ, Chen CC, Chen SY, Tsai CH, Tsai FJ*. Ophthalmology. 2011 Apr;118(4):642-8.

Yuhsin Tsai

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Ph.D., University of Akron (USA), 1995

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Research Interests: new drug delivery for Chinese medicine

大頭照片

Appointments:

2006.06 -2008.10: Assistant Professor: Graduate Institute of Chinese Medicine, CMU

2008.11-2013.01: Associate Professor: Graduate Institute of Chinese Medicine, CMU

2013.02- present: Professor: Graduate Institute of Chinese Medicine, CMU

Representative Publications:

San Huang Shel Shin Tang beta-cyclodextrin complex augmented the hepatoprotective effects against carbon tetrachloride-induced acute hepatotoxicity in rats. › BMC Complementary and Alternative Medicine › 2016 May › 27(16): Yu-Lan Yeh, Wei-Jen Ting, Wei-Wen Kuo, Hsi-Hsien Hsu, Yueh-Min Lin, Chia-Yao Shen, Chung-Ho Chang), Viswanadha Vijaya Padm, Yuhsin Tsai*, Chih-Yang Huang*

SHSST-cyclodextrin complex inhibits TGF β /Smad3/CTGF to a greater extent than silymarin in a rat model of carbon tetrachloride induced liver injury › Molecular Medicine Reports › 2015 › 1(1): › CHENG HSUN YANG, WEI-JEN TING, CHIA-YAO SHEN, HIS-HSIEN HSU, YUEH-MIN LIN, SHENG-HUANG CHANG, Fuu-Jen Tsai, VISWANADHA VIJAYA PADMA, Chih-Yang Huang*, Yuhsin Tsai)*

Inhibitory Effect of Angelica Sinensis Extract in the Presence of 2-Hydroxypropyl- β -Cyclodextrin › CARBOHYDRATE POLYMERS › 2014 Dec › 114:115-122, Chin-Mu Hsu, Fuu-Jen Tsai, Yuhsin Tsai*

SHSST Cyclodextrin Complex Prevents the Fibrosis Effect on CCl₄-Induced Cirrhotic Cardiomyopathy in Rats through TGF- β Pathway Inhibition Effects › INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES › 2014 › 15(1):8037-8048 › Cheng-Hsun Yang, Wei-Jen Ting, Cecilia Hsuan Day, Da-Tong Ju, Yu-Lan Yeh, Li-Chin Chung, Fuu-Jen Tsai, Chang-Hai Tsai, Yuhsin Tsai*, Chih-Yang Huang*

Enhancement of rhubarb extract solubility and bioactivity by 2-hydroxypropyl- β -cyclodextrin › CARBOHYDRATE POLYMERS › 2013 › 98(2):1422-1429 › Chin-Mu Hsu, Song-Cu Yu, Fuu-Jen Tsai, Yuhsin Tsai*

Effect of hydroxypropyl- β -cyclodextrin complexation on the aqueous solubility, structure, thermal stability, antioxidant activity, and tyrosinase inhibition of paeonol › JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY › 2012 › 72(2):405-411 › Jung-Ying Tsao, Chien-Pang Wu, Hsieh-Ho Tsai, Kuang-Chia Peng, Pi-Yun Lin, Shan-Yu Su, Chen, Lieh Der), Fuu-Jen Tsai, Yuhsin Tsai*

Release of paeonol- β -CD complex from thermo-sensitive poly(N-isopropylacrylamide) hydrogels › INTERNATIONAL JOURNAL OF PHARMACEUTICS › 2010 › 402(1-2):123-128 › Jung-Ying Tsao, Hsieh-Ho Tsai, Chien-Pang Wu, Pi-Yun Lin, Shan-Yu Su, Chen, Lieh De, Fuu-Jen Tsai, Yuhsin Tsai*

Preparation, characterisation and activity of the inclusion complex of paeonol with β -cyclodextrin › FOOD CHEMISTRY › 2010 Jun › 120(3):837-841 › Yuhsin Tsai*, Hsieh-Ho Tsai, Chien-Pang Wu, Fuu-Jen Tsai

CMU Faculty Profile

Jung-Nien Lai

China Medical University
Professor, School of Chinese Medicine
Ph.D., public health, National Taiwan University (Taiwan), 2006



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Research Interests: Drug-Herb interactions, Epidemiology, Safety surveillance of Traditional Chinese Medicine, NHIRD, Obstetrics and Gynecology

Academic Distinctions:

Distinguished Teaching Professor, College of Medicine, CMU (2016)

Distinguished Teaching Associate Professor, Institute of Traditional Medicine, National Yang-Ming University (2012)

Distinguished Teaching Assistant Professor, Institute of Traditional Medicine, National Yang-Ming University (2007)

Appointments:

1986 ~ 1987: Rotating internship in Cathay General Hospital, Taipei, Taiwan

1987 ~ 1988: ROTC medical officer at Ministry of National Defense clinic, Taipei, Taiwan

1988 ~ 1992: Resident in the Department of OBGYN, Taipei Municipal Yang Ming Hospital, Taipei, Taiwan

1993 ~ 1995: Fellow in the Department of OBGYN, Taipei Municipal Yang Ming Hospital, Taipei, Taiwan

1995 ~ 1996: Resident in the Department of Chinese Medicine, Taipei Municipal Heping Hospital, Taipei, Taiwan

1996 ~ 1997: Attending physician of Department of Chinese Medicine, Taipei Municipal Yang Ming Hospital, Taipei, Taiwan

1997 ~ 2013: Director of Department of Chinese Medicine, Taipei Municipal Yang Ming Hospital, Taipei, Taiwan

2012~2016: Associate professor of National Yang-Ming University, School of Medicine, Institute of Traditional Medicine

2005~ 2016: Director of Department of Chinese Medicine in gynecology, Taipei Municipal Yang Ming Hospital, Taipei, Taiwan

2011~ present: President of Taiwan Association for Traditional Chinese Medicine of Family

2016~ present: VS of Department of Chinese Medicine, China Medical University Hospital

2016~ present: Professor of China Medical University, School of Chinese Medicine

Research Interests:

1. Clinical research methodology for complementary therapies.
2. Active surveillance system to evaluate safety and efficacy of Chinese medicinal remedy.
3. Application of a data-mining technique to analyze reimbursement database of National Health Insurance system.
4. Drug-herb interactions.

Representative Publications:

1. Lo, Pei-Chia; Tsai, Yueh-Ting; Lin, Shun-Ku; Lai, Jung-Nien. (2016, Oct). Risk of asthma exacerbation associated with nonsteroidal anti-inflammatory drugs in childhood asthma: A nationwide population-based cohort study in Taiwan. *Medicine*, Volume 95 - Issue 41 - p e5109.
2. Shun-Ku Lin, Yueh-Ting Tsai, Pei-Chia Lo, Jung-Nien Lai. (2016, Sep). Traditional Chinese medicine therapy decreases the pneumonia risk in patients with dementia. . *Medicine*, (2016) 95:37. <http://dx.doi.org/10.1097/MD.0000000000004917>.
3. Chien-Tung Wu, Yueh-Ting Tsai, Jung-Nien Lai. (2016, Jul). Demographic and medication characteristics of traditional Chinese medicine users among colorectal cancer survivors: A nationwide database study in Taiwan.. *Journal of Traditional and Complementary Medicine*, xxx (2016) 1-7.
4. Chiu-Mieh Huang, Wei-Shu Hung, Jung-Nien Lai, Yu-Hsiu Kao, Ching-Ling Wang & Jong-Long Guo. (2016). Maternity staff perspectives regarding resource demands of breastfeeding supportive practices in accordance with the Baby- Friendly Hospital Initiative accreditation: A Q methodology approach.. *Journal of Advanced Nursing*., 2016 Feb 22. doi: 10.1111/jan.12928..
5. Shun-Ku Lin, Sui-Hing Yan, Jung-Nien Lai and Tung-Hu Tsai. (2016). Patterns of Chinese medicine use in prescriptions for treating Alzheimer' s disease in Taiwan.. *Chin Med*, (2016) 11:12 DOI 10.1186/s13020-016-0086-9.
6. 羅珮嘉、賴榮年、陳園丞 (2016). 卵巢儲量不足不孕症於優勢卵泡選取期之調肺補腎療法醫案報告. *J Chin Med*, 28(1): 2801009, 8 pages.
7. Hu YC, Wu CT, Lai J, Tsai YT (2015, Apr). Detection of a negative correlation between prescription of Chinese herbal products containing coumestrol, genistein or daidzein and risk of subsequent endometrial cancer among tamoxifen-treated female breast cancer survivors in Taiwan between 1998 and 2008: A populationbased study.. *Journal of Ethnopharmacology*, 169.
8. J. N. Lai, P. C. Chen, J. D. Wang, T. C. J. Wu, Vincent Chung (2015, Mar). Integrative gynecology and women' s healthcare.. *Evidence-Based Complementary and Alternative Medicine*.
9. WL Hsu, YT Tsai, CT Wu, JN Lai (2015, Mar). The prescription pattern of Chinese herbal products containing ginseng among tamoxifen-treated female breast cancer survivors in Taiwan: A population-based study.. *Evidence-Based Complementary and Alternative Medicine*.
10. CT Wu, JN Lai, YT Tsai (2014, Dec). The prescription pattern of Chinese herbal products that

contain dang-qui and risk of endometrial cancer among tamoxifentreated female breast cancer survivors in Taiwan: A population-based study.. PLoS One, 9(12).

11. SK Lin, YT Tsai, JN Lai, CT Wu (2014, Dec). Demographic and medication characteristics of traditional Chinese medicine users among dementia patients in Taiwan: A nationwide database study.. Journal of Ethnopharmacology, 161.

12. PC Hsu, YT Tsai, JN Lai, CT Wu, SK Lin, CY Huang (2014, Aug). Integrating traditional Chinese medicine healthcare into diabetes care by reducing the risk of developing kidney failure among type 2 diabetic Patients: A population-based case control study.. Journal of Ethnopharmacology, 156.

13. PY Lin, YT Tsai, JN Lai, CH Yeh, RC Fang (2014, Aug). Bian Zheng LunZhi as a complementary and alternative treatment for menstrual gramps in women with dysmenorrhea: A prospective clinical observation. Evidence-based Complementary and Alternative Medicine.

14. MC Yu, SK Lin, JN Lai, James CC Wei (2014, Jul). The traditional Chinese medicine prescription patterns of Sjoren's patients in Taiwan:A populationbasedstudy..Journal of Ethnopharmacology, 155(1).

15. Tsai YT, Lai JN, Wu CT (2014, Jul). The use of Chinese herbal products and its influence on tamoxifen induced endometrial cancer risk among female breast cancer patients: A population-based study.. Journal of Ethnopharmacology, 155.

16. Tsai YT, Lai JN, Wu CT, Lin SK (2014, May). Concurrent use in Taiwan of Chinese herbal medicine therapies among hormone users aged 55 years to 79 years and Its association with breast cancer risk:A population-based study.. Evidence-Based Complementary and Alternative Medicine.

17. Wang HM, Lin SK, Yeh CH, Lai JN (2014, Mar). Prescription pattern of Chinese herbal products for adult-onset asthma in Taiwan:a population-based study.. Annals of allergy, asthma & immunology, 112(5).

18. Chang YY, Tsai YT, Lai JN, Yeh CH, Lin SK (2014, Jan). The traditional Chinese medicine prescription patterns for migraine patients in Taiwan: A population-based study.. Journal of Ethnopharmacology, 151(3).

19. Pan JC, Tsai YT, Lai JN, Fang RC, Yeh CH (2014, Jan). The traditional Chinese medicine prescription pattern of patients with primary dysmenorrhea in Taiwan: A large-scale cross sectional survey.. Journal of Ethnopharmacology, 152(2).

20. Chen MC, Lai JN, Chen PC, Wang JD (2013, Oct). Concurrent use of conventional drugs with Chinese herbal products in Taiwan:A population-based study.. Journal of traditional and complementary medicine, 3(4).

21. Lai JN, Tang JL, Wang JD (2013, Sep). Observational studies on evaluating the safety and adverse effects of traditional Chinese medicine.. Evidence- Based Complementary and Alternative

Medicine.

22. Lee KH, Tsai YT, Lai JN, Lin SK (2013, Sep). Concurrent use of hypnotic drugs and Chinese herbal medicine therapies among Taiwanese adults with insomnia symptoms: A populationbased study.. Evidence-based Complementary and Alternative Medicine.
23. Huang CY, Tsai YT, Lai JN, Hsu FL (2013, Jun). Prescription pattern of Chinese herbal products for diabetes mellitus in Taiwan: A population-based study.. Evidence-based Complementary and Alternative Medicine.
24. Fang RC, Tsai YT, Lai JN, Yeh CH, Wu CT (2012, Sep). traditional Chinese medicine prescription pattern of endometriosis patients in Taiwan: a populationbased study.. Evidence-based Complementary and Alternative Medicine.
25. Ruei-Chi Fang, Yueh-Ting Tsai, Jung-Nien Lai, Chia-Hao Yeh, Chien-Tung Wu (2012, Sep). The Traditional Chinese Medicine Prescription Pattern of Endometriosis Patients in Taiwan: A Population-Based Study. Evidence-based Complementary and Alternative Medicine, 2012: 591391.
26. Wu CT, Tzeng JN, Lai JN, Tsan SH, Wang JD (2012, Aug). Prescription profile of Chinese herbal products containing coumestrol, genestein, and/or daidzein among female users: an analysis of national health insurance data in Taiwan between 1997 and 2007.. Chinese Medicine, 7(1).
27. Wu HC, Lai JN, Hwang JS (2012, Jun). Quality of life and sleep quality amongst climacteric women seeking medical advice in Northern Taiwan.. Sleep medicine, 13(7).
28. Jung-Nien Lai, Chien-Tung Wu, Jung-Der Wang (2012, May). Prescription Pattern of Chinese Herbal Products for Breast Cancer in Taiwan: A Population- Based Study. Evidence-based Complementary and Alternative Medicine.
29. Lai JN, Wu CT, Wang JD. (2012, May). Prescription pattern of chinese herbal products for breast cancer in Taiwan: a population-based study. . Evidence-Based Complementary and Alternative Medicine.
30. Lai JN, Wang OY, Lin VH, Liao CF, Tarng DC, Chien EJ (2012, Mar). The nongenomic rapid acidification in peripheral T cells by progesterone depends on intracellular calcium increase and not on Na⁺/H⁺ exchange inhibition.. steroids.
31. Lai J-N, Wu C-T, Chen P-C, Huang C-S, Chow S-N, Wang J-D. (2012). Increased risk for invasive breast cancer associated with hormonal therapy: A nation-wide random sample of 65723 women followed from 1997 to 2008.. PLoS One, 6(10):e25215..
32. Lu SH, Chen YL, Shun CT, Lai JN, Peng SY, Lai PL, Hsu HC. (2012). Expression and prognostic significance of gastric-specific annexin A10 in diffuse- and intestinal-type gastric carcinoma. . Journal of gastroenterology and hepatology, 26(1):90-97 .
33. Wu H-C, Chen Y-H, Lai J-N, Hwang J-S, Wang J-D. (2012). Improving sleep quality in climacteric women with insomnia: A randomized, head-to-head trial between Jia-Wei-Shiau-Yau

San (JWSYS) and Suan-Zao-Ren Tang (SZRT).. *European Journal of Integrative Medicine*, 3(3):143-151.

34. Yang YH, Lai JN, Lee CH, Wang JD, Chen PC. (2012). Increased Risk of Hospitalization Related to Motor Vehicle Accidents Among People Taking Zolpidem: A Case-Crossover Study. *Journal of epidemiology*, 21(1):37-43.

35. Yeh CH, Arnold CK, Chen YH, Lai JN. (2012). Suan Zao Ren Tang as an Original Treatment for Sleep Difficulty in Climacteric Women: A Prospective Clinical Observation.. *Evidence-Based Complementary and Alternative Medicine*, ID673813. 本人為通訊作者.

36. Yang YH, Lai JN, Lee CH, Wang JD, Chen PC (2011, Oct). Increased Risk of Hospitalization Related to Motor Vehicle Accidents Among People Taking Zolpidem: A Case-Crossover Stud. *JOURNAL OF EPIDEMIOLOGY*, 21(1):37-43.

37. Jung-Nien Lai, Chien-Tung Wu, Pau-Chung Chen, Chiun-Sheng Huang, Song-Nan Chow, Jung-Der Wang (2011, Jun). Increased Risk for Invasive Breast Cancer Associated with Hormonal Therapy: A Nation-Wide Random Sample of 65,723 Women Followed from 1997 to 2008. *PLoS One*.

38. Chia-Hao Yeh, Christof K. Arnold, Yen-Hui Chen, Jung-Nein Lai (2011, May). Suan Zao Ren Tang as an Original Treatment for Sleep Difficulty in Climacteric Women: A Prospective Clinical Observation. *Evidence-based Complementary and Alternative Medicine*, 2011:673813..

39. 劉千滋、賴榮年、戈依莉 (2016年)。應用耳穴貼壓改善產婦睡眠之成效。護理雜誌，63(2),39 – 48。

40. 楊鯉源、陳欣瑜、賴榮年 (2016年)。中西醫整合療法治療多次試管嬰兒療程失敗之高齡不孕症婦女醫案報告。TJ TCM，19(1)：195-203。

41. 羅珮嘉、賴榮年 (2016年)。台灣地區兒童氣喘使用中醫藥情形之文獻回顧與探討。北台灣中醫醫學雜誌。

42. 徐培倩、王宏銘、賴榮年 (2015年)。龍膽瀉肝湯加減和小青龍湯治療產後面癱醫案報告。中醫藥研究論叢，18(2):74-58。

43. 李昱甫、賴榮年 (2015年)。中醫師對馬兜鈴酸在泌尿上皮癌之觀點。台灣醫學，19(6):602-8。

Hung-Rong Yen

Associate Professor, School of Chinese Medicine, CMU
Division Chief, Division of Chinese Medicine Pediatrics, CMUH
Physician Scientist, Department of Medical Research, CMUH



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Ph.D., Chang Gung University (Taiwan), 2010

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URL: http://webap.cmu.edu.tw/TchEportfolio/index_1/hungrongyen

Research Interests: Traditional Chinese Medicine, Immunology, Pediatrics

Academic Distinctions:

Best Teaching Award, Chang Gung Memorial Hospital, Taiwan 2011
Best Teaching Award, Chang Gung Memorial Hospital, Taiwan 2012
Elite Physician, China Medical University, Taiwan 2015

Appointments:

Jun 1999 - Aug 2013: Resident and Attending Physician, Department of Pediatrics, Chang Gung Children Hospital & Department of Chinese Medicine, Chang Gung Memorial Hospital
Feb 2007-Jan 2010: Research Fellow, Johns Hopkins University School of Medicine, U.S.A.
Aug 2011-Aug 2013: Assistant Professor, School of Chinese Medicine, Chang Gung University
Sep 2013-Sep 2015: Assistant Professor, School of Chinese Medicine, CMU
Sep 2015-present: Associate Professor, School of Chinese Medicine, CMU
Feb 2017-present: Director, Research Center for Chinese Herbal Medicine, CMU

Research Interests:

Dr. Hung-Rong Yen's research interest involves the comprehensive understanding of the immune system and how modulation of immunity contributes to the treatment of human diseases. Dr. Yen's academic training and research experience have provided him with a background in multiple biomedical aspects. It is his hope that his training in clinical and basic science could be translated to a better understanding, treatment, and prevention of immunological diseases through approaches such as Chinese medicine.

Representative Publications:

1. [A human colonic commensal promotes colon tumorigenesis via activation of T helper type 17 T cell responses.](#) Wu S, Rhee KJ, Albesiano E, Rabizadeh S, Wu X, Yen HR, Huso DL, Brancati FL, Wick E, McAllister F, Housseau F, Pardoll DM, Sears CL*. *Nature Medicine*. 2009 Sep; 15(9):1016-1022.
2. [Tc17 CD8 T cells: Functional plasticity and subset diversity.](#) Yen HR, Harris TJ, Wada S, Grosso JF, Getnet D, Goldberg MV, Liang KL, Bruno TC, Pyle KJ, Chan SL, Anders RA, Trimble CL, Adler AJ, Lin TY, Pardoll DM, Huang CT, Drake CG*. *Journal of Immunology*. 2009 Dec; 183(11):7161-7168.
3. [Control of TH17/Treg Balance by Hypoxia-Inducible Factor 1.](#) Dang EV, Barbi J, Yang HY, Jinasena D, Yu H, Zheng Y, Bordman Z, Fu J, Kim Y, Yen HR, Luo W, Zeller K, Shimoda L, Topalian SL, Semenza GL, Dang CV, Pardoll DM, Pan F. *Cell* 2011 Sep; 146(5): 772-784.
4. [Characteristics of traditional Chinese medicine use in children with asthma: a nationwide population-based study.](#) Huang TP, Liu PH, Lien AS, Yang SL, Chang HH, Yen HR*. *Allergy*. 2013 Dec;68(12):1610-1613.
5. [Qi deficiency is associated with depression in chronic hemodialysis patients.](#) Liao YC, Chou CY, Chang CT, Li TC, Sun MF, Chang HH, Tsai FJ, Yen HR*. *Complementary Therapies in Medicine*. 2017 Feb; 30:102-106.