

**Chiz-Tzung Chang**

Associate Professor, School of Medicine, College of Medicine

Ph.D., Chang Gung University (Taiwan), 2007

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**Research Interests:** The effects of dyslipidemia on cardiovascular disease

**Appointments:**

2003-2004: Postdoctoral fellow: Unit 478, National Institute of Health and Medical Research, France

2006-2008: Assistant Professor: College of Medicine, Chang Gung University

2013-2016: Chief of Nephrology, China Medical University Hospital, Taiwan

2012-Present: Associate Professor: College of Medicine, CMU

**Research Interests:**

Our research themes are mainly on the lipoprotein modifications and their effects on cardiovascular disease. We isolate electronegative lipoproteins from human subjects with different diseases. The isolated lipoproteins are then analyzed to see their protein modifications and functional changes. We combine biochemical and cellular, and animal models to search for the mechanism protein modifications in these diseased subjects.

**Representative Publications:**

1. [Oxidized ApoC1 on MALDI-TOF and glycated ApoA1 band on gradient gel as potential diagnostic tools for atherosclerotic vascular disease](#) **Chiz-Taung Chang**, Hsin-Yi Liao, Chia-Ming Chang, Chia-Ying Chen, Chu-Huang Chen Chu-Chung, Chao-Uyh Yang, Fuu-Jen Tsai, Chao-Jung Chen *Clinical Chimica Acta*, 2013; 420:69-75
2. [Biochemical and functional characterization of charge-defined subfractions of high-density lipoprotein from normal adults](#) Ju-Yi Hseih\*, **Chiz-Tzung Chang**\*, Max T Hung, Chia-Ming Chang, Chi-Ying Chen, Min-Yi Shen, Hsin-Yi Liao, Guei-Jane Wang, Chu-Hunag Chen, Chao-Jung Chen, Chao-Yuh Yang CY *Analytical Chemistry* 2013, 3;85(23):11440-8
3. [Electronegative low-density lipoprotein increases coronary artery disease risk in uremia patients on maintenance hemolysis](#) **Chiz-Tzung Chang**, Guei-Jane Wang, Chin-Chi Kuo, Ju-Yi Hseih, An-Sean Lee, Chia-Ming Chang, Chun-Cheng Wang, Ming-Yi Shen, Chiu-Ching Huang, Tatsuya Sawamura, Chao-Yuh Yang, Nicole Stencel, Chu-Hung Chen *Medicine* 2016; 95(2):e2265
4. [Plasma L5 levels are elevated in ischemic stroke patients and enhance platelet aggregation.](#) Ming-Yi Shen, Fang-Yu Chen, Jing-Fang Hsu, Ru-Huei Fu, Chia-Ming Chang, **Chiz-Tzung Chang**, Chung-Hsiang Liu, Jia-Rong Wu, An-Sheng Lee, Hua-Chen Chan, Joen-Rong Sheu, Shinn-Zong Lin, Woei-Cherng Shyu, Tatsuya Sawamura, Kuan-Cheng Chang, Chung Y. Hsu, and Chu-Huang Chen *Blood* 2016; 127(10):1336-1345

## CMU Faculty Profile

Jeng-Sheng Chang

Associate Professor, School of Medicine, CMU  
Chief physician of Pediatric cardiology, China Medical University Hospital

MD, Department of Medicine, China Medical University 1973-1980

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**Research Interests:** Pediatrics, Pediatric Cardiology, Critical Care Medicine, Pediatric Emergency, Pediatric Pulmonary, Pediatric Intensive Care

### Academic Distinctions:

Honorable doctor of the year in China Medical University Hospital (1991-2005)

### Appointments:

1991- present : Attending Physician in Pediatric cardiology, China Medical University Hospital

2003-2005 : Director, Dept. of Pediatrics, China Medical University Hospital

1996- present : Chief physician of Pediatric cardiology, China Medical University Hospital

1996- present : Chief physician of PICU, China Medical University Hospital

2002-present : Associate Professor, China Medical University

### Research Interests :

1. Kawasaki disease:
  - A). Clinical presentations, echocardiographic/ coronary arterial abnormalities, and managements of KD patients of typical, incomplete, atypical, relapse/recrudescence, IVIG resistant, and KD shock syndrome subcategories.
  - B). Genetic and immunological associations with KD occurrence and risk for coronary arterial aneurysm, as well as biomarkers for early detection of KD.
  - C). Long term follow up of KD patients
2. Congenital heart disease:
  - A) perioperative diagnosis and critical managements of CHD patient, esp. related risk factors of mortality and morbidity (2014-2016 Quality Improvement Project of Taiwan Health Welfare Department)
  - B) ECMO management of CHD (or ac. Myocarditis) when cardiopulmonary failure occurs.
  - C) Interventional cardiac catheterizations for CHD, including ASD, VSD, PDA, AVM and valvular and vessel obstructions.

### Representative Publications:

1. Lin YJ, **Chang JS**, Liu X, Tsang H, Lin TH, Liao CC, Huang SM, Chien WK, Chen JH, Wu JY, Chen CH, Chang LC, Lin CW, Ho TJ, Tsai FJ. [Genetic variants of glutamate receptor gene family in Taiwanese Kawasaki disease children with coronary artery aneurysms. Cell & Bioscience. 2014;4\(1\):67 \(SCI\)](#)
2. Ko TM, Kuo HC, **Chang JS**, Chen SP, Liu YM, Chen HW, Tsai FJ, Lee YC, Chen CH, Wu JY, Chen YT. [CXCL10/IP-10 is a Biomarker and Mediator for Kawasaki Disease. CIRCULATION RESEARCH. 2015;116:876-83](#)
3. 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;5: 14762](#)

# CMU Faculty Profile

## CHIEN-YUN HSIANG

Professor, Department of Microbiology, School of Medicine, College of Medicine

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**Research Interests:** New Drug Development, Microbiology and Immunology

### Academic Distinctions:

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

Distinguished Research Professor, CMU (2008-2016)

### Experience:

1997-2002: Assistant Professor: Department of Microbiology, CMU

2002-2009: Associate Professor: Department of Microbiology, CMU

2009-present: Professor: Department of Microbiology, CMU

### Research Interests:

The research topics in my lab are to identify novel pharmaceutical peptides or compounds from plants or food. We combine bioinformatics, transcriptomics, proteomics, *in vivo* imaging, and animal disease models to discover potent peptides or compounds against inflammation and inflammation-related diseases, such as cancers and metabolic diseases.

### 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.

[A novel insulin receptor-binding protein from \*Momordica charantia\* enhances glucose uptake and glucose clearance \*in vitro\* and \*in vivo\* through triggering insulin receptor signaling pathway.](#) Lo HY<sup>#</sup>, Ho TY<sup>#</sup>, Li CC, Chen JC, Liu JJ, **Hsiang CY\***. *J Agric Food Chem.* **2014** Sep 10;62(36):8952-8961.

[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.

**K. S. Clifford Chao**

Vice president, China Medical University  
Superintendent, Cancer Center, China Medical University Hospital  
Head, The Preparatory Office of Biotech Campus, China Medical University Hospital



M.D., Kaohsiung Medical School, Taiwan, 1982

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**Research Interests:** Radiation Oncology, Cancer Imaging

**Academic Distinctions:**

Best Doctors in America, 2004-2005, 2005-2006, 2007-2008, 2008-2009, 2009-2010, 2011-2012, 2012-2013, 2013-2014

America's Top Doctors, Castle Connolly Medical – New Yorker Magazine, 2012, 2013, 2014

peaker of 2016 The 4th Taiwan-Japan Radiation Oncology Symposium, Taipei, Taiwan, June 4

Keynote Speaker of 2016 Spring Symposium of Formosa Medical Association, Kaohsiung, Taiwan, May 29

Keynote Speaker of 2015 International Symposium of Cancer Center of Excellence- frontiers on Cancer Research and Treatment, Taipei, Taiwan, December 7

Keynote Speaker of 2015 Surgical Oncology clinical trial Investigator Training Course, Tainan, Taiwan, November 8

**Appointments:**

2014-present: Superintendent, Cancer Center, China Medical University Hospital

2014-present: Head, The Preparatory Office of Biotech Campus, China Medical University Hospital

2015-present: Vice president, China Medical University

**Research Interests:** a pre-eminent expert in the use of image-guided targeted radiotherapy and intensity modulated radiation therapy (IMRT) for the treatment of cancers. Research focus includes combining positron emission tomography (PET) and computed tomography (CT) images to construct individualized treatment plans that address the molecular characteristics of each tumor.

**Representative Publications:**

[Automatic Shape-Based Level Set Segmentation for Needle Tracking in 3-D TRUS-Guided Prostate Brachytherapy.](#)

Yan P, Cheeseborough JC 3rd, Chao KS\*. *Ultrasound Med Biol.* 2012;38:1626-36.

[Prospective study validating inter- and intraobserver variability of tissue compliance meter in breast tissue of healthy volunteers: Potential implications for patients with radiation-induced fibrosis of the breast.](#)

Wernicke AG, Parashar B, Kulidzhanov F, Riley L., Christos PJ, Fischer A, Nori D, Chao KS\*. *Int J Radiat Oncol Biol Phys.* 2011;80:39-46.

[Chemotherapy significantly increases the risk of radiation pneumonitis in radiation therapy of advanced lung cancer.](#)

Parashar B, Edwards A, Mehta, R, Pasmantier M, Wernicke AG, Sabbas A, Kerestez RS, Nori D, Chao KS. *Am J Clin Oncol.* 2011;34(2):160-4.

[Sonic hedgehog signaling protects human hepatocellular carcinoma cells against ionizing radiation in an autocrine manner.](#)

Chen YJ, Lin CP, Hsu ML, Shieh HR, Chao NK, Chao KS\*. *Int J Radiat Oncol Biol Phys.* 2011;80(3):851-9.

[PTEN regulates DNA replication progression and stalled fork recovery.](#) He J, Kang X, Yin Y, Chao KS, Shen WH.

*Nat Commun.* 2015 Jul 9;6:7620.

## CMU Faculty Profile

**NAI-HSIN MENG**

Associate Professor, Department of Medicine, College of Medicine

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**Research Interests:** Neurorehabilitation, Geriatrics and gerontology, Musculoskeletal ultrasonography, Swallowing disorders,

**Academic Distinctions:**

### **Appointments:**

1998-present: Attending physician: Department of Physical Medicine and Rehabilitation, CMUH.

2004-present: Director, Department of Physical Medicine and Rehabilitation, CMUH

2004-2011: Lecturer: Department of Medicine, College of Medicine, CMU

2011-2016: Assistant Professor: Department of Medicine, College of Medicine, CMU

2016-present: Associate Professor: Department of Medicine, College of Medicine, CMU

### **Research Interests:**

Clinical research concerning neurorehabilitation (including robotic assisted gait training, transcranial direct current stimulation on stroke rehabilitation), geriatric rehabilitation (including intervention for frailty and sarcopenia), and rehabilitation for dysphagia (including management of swallowing problems among patients with head and neck cancer)

### **Representative Publications:**

[Incomplete Bladder Emptying in Patients with Stroke: Is Detrusor-External Sphincter Dyssynergia A Potential Cause?](#) Meng NH, Lo SF, Chou LW, Yang PY, Chang CH, Chou CL. **Archives of Physical Medicine and Rehabilitation** 2010, 91(7):1105~1109

[Thickening of Finger Extensor Tendons in Affected Hands among Patients with Stroke: Prevalence and Sonographic Features.](#) Meng NH, Chou LW, Yang PY. **Journal of Rehabilitation Medicine** 2010, 42(9): 853~857

[Urinating in the Standing Position: a Feasible Alternative for Elderly Women with Knee Osteoarthritis.](#) Chou CL, Yang PY, Hsueh WH, Chang CH, \*Meng NH. **Journal of Urology.**2011,186(3):949~953

[Reliability and Validity of the Taiwan \(Mandarin Chinese\) Version of the Chronic Respiratory Questionnaire.](#) Meng NH, Chen FN, Lo SF, Cheng WE. **Quality of Life Research.** 2011, online 20(10): 1745-1751

[Comparison of height- and weight-adjusted sarcopenia in a Taiwanese metropolitan older population.](#) Meng NH, Li CI, Liu CS, Lin CH, Lin WY, Chang CK, Li TC, Lin CC. **Geriatrics & Gerontology International.** 2015, 15(1):45~53

[Sarcopenia defined by combining height- and weight-adjusted skeletal muscle indices is closely associated with poor physical performance.](#) Meng NH, Li CI, Liu CS, Lin WY, Lin CH, Chang CK, Li TC, Lin CC. **Journal of Aging and Physical Activity.** 2015; 23(4):597-606

**Tsurng-Juhn Huang**

Associate Professor, Department of Biochemistry, School of Medicine

Ph.D., The Institute of Basic Medical Sciences of National Cheng-Kung University (Taiwan), 2004

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**Research Interests:** Molecular Virology, Biochemistry, Molecular Biology

**Academic Distinctions:**

**Appointments:**

2007-2008: Postdoctoral fellow: Research Center for Biodiversity, CMU

2008-2012: Assistant Professor: Graduate Institute of Ecology and Evolutionary Biology, CMU

2013-2014: Assistant Professor: Department of Biotechnology, CMU

2015-present: Associate Professor: Department of Biochemistry, School of Medicine, CMU

**Research Interests:**

The research in my laboratory is aimed on the assessment of anti-viral activity and mechanism of serial compound derivatives from stevioside, paeonol, and pyranol against hepatitis B virus by using viral genome transfected hepatoma cell line as model. We also use viral-transgenic animal as model for these drugs delivery and investigate their therapeutic effects on antiviral activity and what mechanisms involved in these effects.

**Representative Publications:**

**Huang, T. J.**, Chou, B. H., Lin, C. W., Weng, J. H., Chou, C. H., Yang, L. M., Lin, S. J. \* 2013. [Synthesis and antiviral effects of isosteviol-derived analogues against the hepatitis B virus](#). *Phytochemistry*. **99**: 107-114

**Huang, T. J.** \*, Tsai, Y. C., Chiang, S. Y., Wang, G. J., Ku, Y. C., Chang, Y. C., Wu, Y. Y., Wu, Y. C.\*2014. [Anti-viral effect of a compound isolated from \*Liriope platyphylla\* against hepatitis B virus in vitro](#). *Virus Research*. **192**: 16-24.

**Huang, T. J.**, H. Chuang, Y. C. Liang, H. H. Lin, J. C. Horng, Y. C. Kuo, C. W. Chen, F. Y. Tsai, S. C. Yen, S. C. Chou, and M. H. Hsu. 2015. [Design, synthesis, and bioevaluation of paeonol derivatives as potential anti-HBV agents](#). *European journal of medicinal chemistry* **90**:428-435.

**Huang, T. J.**, C. L. Yang, Y. C. Kuo, Y. C. Chang, L. M. Yang, B. H. Chou, and S. J. Lin. 2015. [Synthesis and anti-hepatitis B virus activity of C4 amide-substituted isosteviol derivatives](#). *Bioorganic & medicinal chemistry* **23**:720-728.

Chuang, H., Huang, Sherlock L. C., Kapoor, M., Liao, Y. J., Yang, C. L., Chang, C. C., Wu, C. Y., Hwu, J. R., **Huang, T. J.**\*, Hsu, M. H. 2016. [Design and synthesis of pyridine-pyrazole-sulfonate derivatives as potential anti-HBV agents](#). *MedChemComm*. **7**: 832-836.

Huang, Y. P., Shih, H. P., Liang, Y. C., Lin, H. H., Lin, M. C., Chen, C. W., **Huang, T. J.**\*, Kuo, Y. C.\*, Han, C. C., Hsu, M. H.\* 2016. [Advanced Generation of Paeonol-Phenylsufonyl Derivatives As Potential Anti-HBV Agents](#). *RSC Advances*. **6**: 43556-43562.

Lin, S. J., Su, T. C., Chu, C. N., Chang, Y. C., Yang, L. M., Kuo, Y. C.\*, **Huang, T. J.**\* 2016. [Synthesis of C-4 Substituted Steviol Derivatives and Their Inhibitory Effects against Hepatitis B Virus](#). *J. Nat. Prod.* **17**(12): 3057-3064.

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**Research Interests: Lung cancer drug resistant mechanism, Interventional bronchoscopy**

**Academic Distinctions:**

Distinguished Attending Physician, China Medical University Hospital, CMUH (2015)

**Appointments:**

2003 till now Attending Physician of Division of pulmonary and Critical Care, China Medical University Hospital

2012 till now- Director of Division of pulmonary and Critical Care, China Medical University Hospital

2013 till now Associated Professor, School of Medicine, China Medical University, CMU

**Research Interests:**

Interventional bronchoscopy

Lung cancer basic research on EGFR pathway and mechanism of Targeted drug resistance.

**Representative Publications:**

1. Shen TC, Wu BR, Chen HJ, Lin CL, Wei CC, Chen CH, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC, Kao CH. [Risk of Chronic Obstructive Pulmonary Disease in Female Adults With Primary Sjögren Syndrome: A Nationwide Population-Based Cohort Study](#). *Medicine (Baltimore)*. 2016 Mar;95(10):e3066
2. Shen TC, Lin CL, Wei CC, Chen CH, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC, Kao CH. [Bidirectional Association between Asthma and Irritable Bowel Syndrome: Two Population-Based Retrospective Cohort Studies](#). *PLoS One*. 2016 Apr 19;11(4):e0153911
3. Shen TC, Chang PY, Lin CL, Chen CH, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC, Kao CH. [Treatment Reduces Risk of Adverse Respiratory Events in Patients With Chronic Obstructive Pulmonary Disease: A Propensity-Matched Cohort Study](#). *Medicine (Baltimore)*. 2016 May;95(20):e3735
4. Chen WC, Huang KY, Yao CW, Wu CF, Liang SJ, Li CH, **Tu CY**, Chen HJ. [The modified SAVE score: predicting survival using urgent veno-arterial extracorporeal membrane oxygenation within 24 hours of arrival at the emergency department](#). *Crit Care*. 2016 Oct 22;20(1):336.
5. Shen TC, Chen HJ, Wei CC, Chen CH, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC, Bau DT. [Risk of asthma in patients with primary Sjögren's syndrome: a retrospective cohort study](#). *BMC Pulm Med*. 2016 Nov 16;16(1):152
6. Shen TC, Hang LW, Liang SJ, Huang CC, Lin CL, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC. Risk of obstructive sleep apnoea in patients with rheumatoid arthritis: a nationwide population-based retrospective cohort study. *BMJ Open*. 2016 Nov 28;6(11):e013151
7. Shen TC, Chen CH, Lai HC, Lin CL, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC. [Risk of Empyema in Patients with Chronic Liver Disease and Cirrhosis: A Nationwide, Population-based Cohort Study](#). *Liver Int*. 2016 Nov 29. (Corresponding author)
8. Shen TC, Chen CH, Wang IK, Lin CL, **Tu CY**, Hsia TC, Shih CM, Hsu WH, Sung FC. Contributed Equally FC. Risk of Empyema in Patients with End-Stage Renal Disease: A Nationwide Propensity-Matched Cohort Study. *QJM*. 2017 Jan 5
9. Chen CH, Wu BR, Cheng WC, Chen CY, Chen WC, Hsia TC, Liao WC, **Tu CY**, Hsu WH. [Interventional pulmonology for patients with central airway obstruction: An 8-year institutional experience](#). *Medicine (Baltimore)*. 2017 Jan;96(2):e5612 (Corresponding author)

**Chon-Haw Tsai**

Director, Department of Neurology in China Medical University Hospital, Taichung, Taiwan

Director, Neuroscience Laboratory in China Medical University Hospital, Taichung, Taiwan

Professor, Medical College, China Medical University, Taichung, Taiwan

Education and Research training: M.D., Medical College, China Medical University, Taichung, Taiwan; Ph.D., Graduate Institute, Chang Gung University, Taiwan; Research fellow of movement disorders and electrophysiology at Royal Adelaide Hospital, Australia



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**Academic Distinctions:**

2007, 2008 Outstanding teaching Attending Physician, China Medical University Hospital

2009 Best research poster, Medical Engineering Annual Meeting, Taiwan (correspondence)

2014 Video presentation award 2015 Taiwan Movement Disorder Annual Meeting (correspondence)

2015 Video presentation award, 2015 Taiwan Movement Disorder Annual Meeting (correspondence)

2015 「臨床醫學教育貢獻獎」 (Clinical Medicine Education Contribution Award)

**Appointments:**

1994-1995: Lecture in Neurology, Chang Gung College of Medicine and Technology

1995-2000: Associate Professor in Neurology, Chang Gung College of Medicine and Technology

2000-2006: Associate Professor in Neurology, China Medical University

2006-Present: Professor in Neurology, China Medical University

**Research Interests:**

Neurophysiology of Parkinson disease, dystonia, myoclonus, tremor, human motor control and gait.

**Board service**

Board certificate Committee in Neurology, Taiwan Neurological Society 2003-present

Member of Council, Taiwan Society Movement Disorder 2011-present

Member of Council, Taiwan Neurological Society 2002-present

**Representative Publications:**

1. Hwang CS, Tsai CH, Liu GT, Li W, Chang HT. [Decreased level of serum autoantibody against LG72 is a biosignature of amyotrophic lateral sclerosis](#). *Biomarkers in medicine* 2016;10:73-79. (10.2217/bmm.15.80).
2. Lee WJ, Wu SL, Li JY, Chen CC, Lin JJ, Peng GS, Lin TK, Wang SJ, Chen RS, Yang YH, Tsai CH, Hsu JL, Liao YC, Chen SP, Fuh JL. [PDD-5S: A useful screening tool for Parkinson's disease dementia](#). *Parkinsonism Relat Disord* 2016;25:85-90. (10.1016/j.parkreldis.2016.02.001).
3. Lin CY, Tien YM, Huang JT, Tsai CH\*, Hsu LC\*. [Degraded Impairment of Emotion Recognition in Parkinson's Disease Extends from Negative to Positive Emotions](#). *Behavioural neurology* 2016;2016:9287092. (10.1155/2016/9287092).
4. Lu MK, Chen CM, Duann JR, Ziemann U, Chen JC, Chiou SM, Tsai CH\*. [Investigation of Motor Cortical Plasticity and Corticospinal Tract Diffusion Tensor Imaging in Patients with Parkinsons Disease and Essential Tremor](#). *PLoS One* 2016;11:e0162265. (10.1371/journal.pone.0162265).
5. Tang CF, Lu MK, Muo CH, Tsai CH\*, Kao CH\*. [Increased risk of brain tumor in patients with Parkinson's disease: a nationwide cohort study in Taiwan](#). *Acta Neurol Scand* 2016;134:148-153. (10.1111/ane.12524).
6. Chen KH, Tsai CH, Wu RM, Lu MK. [Neurodegeneration with brain iron accumulation presenting motor trick and impaired motor cortical plasticity](#). *Clin Neurol Neurosurg* 2016;141:95-97. (10.1016/j.clineuro.2015.12.022).



## CMU Faculty Profile

### PEI-MING CHU

Assistant Professor, Department of Anatomy and Graduate Institute of Biomedical Sciences, College of Medicine, China Medical University

Ph.D., Graduate Institute of Life Sciences, National Defense Medical Center (Taiwan), 2011

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**Research Interests:** Cancer and stem cell biology, Regenerative Medicine, Autophagy Regulation, Atherosclerotic cardiovascular disease.

#### Research Activities:

The research interests of our laboratory focus on two major subjects. The first part concentrates on therapeutic approach targeting the cancer stemness and epithelial-mesenchymal transition (EMT) of oral cancer stem cells (OCSCs). Therefore, our labs are interested in understanding the following topics in:

- (1) To evaluate the effect of drugs in the modulation of the cancer stemness and EMT markers and phenotypes.
- (2) To clarify the functional involvement and molecular mechanisms of drug-mediated lncRNAs and miRNAs on cancer stemness and EMT properties.
- (3) To establish nude mice animal models to investigate the effect of drug-mediated lncRNAs and miRNAs on anti-CSCs ability and radiochemosensitizing efficacy.

The second part focus our attention on atherosclerotic cardiovascular disease. It's linked to both oxidative stress and endothelial cell dysfunction. Therefore, we explored whether drugs (Baicalein, Chicoric acid) protect oxidative stress-facilitated dysfunction of endothelium and cardiomyocytes, and attempted to prove the cytoprotective effects and its underlying mechanism (in vitro and in vivo).

#### Representative Publications:

[Baicalein protects against oxLDL-caused oxidative stress and inflammation by modulation of AMPK-alpha.](#) Tsai KL, Hung CH, Chan SH, Shih JY, Cheng YH, Tsai YJ, Lin HC, **Chu PM\***. *Oncotarget*. 2016 Nov 8;7(45):72458-72468.

[Oleic acid activates MMPs up-regulation through SIRT1/PPAR- \$\gamma\$  inhibition: a probable linkage between obesity and coronary arterial disease.](#) Chan SH, **Chu PM**, Kao CL, Cheng YH, Hung CH, Tsai KL. *J Biochem*. 2016 Oct;160(4):217-225.

[Autophagy in cancer stem/progenitor cells.](#) Lin YH, Huang YC, Chen LH\*, **Chu PM\***. *Cancer Chemother Pharmacol*. 2015 May;75(5):879-86.

[A high-efficiency induction of dopaminergic cells from human umbilical mesenchymal stem cells for the treatment of hemiparkinsonian rats.](#) Ko TL, Fu YY, Shih YH, Lin YH, Ko MH, Fu TW, Lin TY, Hsiao HS, **Chu PM\***, Fu YS\*. *Cell Transplant*. 2015;24(11):2251-62.

[Deregulated microRNAs identified in isolated glioblastoma stem cells: an overview.](#) **Chu PM\***, Ma HI\*, Chen LH\*, Chen MT, Huang PI, Lin SZ, Chiou SH. *Cell Transplant*. 2013;22(4):741-53.

[Pharmacokinetics and tissue distribution of resveratrol, emodin and their metabolites after intake of \*Polygonum cuspidatum\* in rats.](#) Lin SP\*, **Chu PM\***, Tsai SY, Wu MH, Hou YC. *J Ethnopharmacol*. 2012 Dec 18;144(3):671-6.

**I-Kuan Wang**

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Ph.D., China Medical University (Taiwan), 2015

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URL: [http://webap.cmu.edu.tw/TchEportfolio/index\\_1/ikwang](http://webap.cmu.edu.tw/TchEportfolio/index_1/ikwang)



**Research Interests:** clinical and basic kidney disease, dialysis, and hypertension

**Academic Distinctions:**

**Appointments:**

1999 -2001: Attending physician, Division of Nephrology, Chang Gung Memorial Hospital, Linkou, Taiwan

2002- 2007: Attending physician, Division of Nephrology, Chang Gung Memorial Hospital, Chiayi, Taiwan

2007-present: Attending physician, Division of Nephrology, China Medical University Hospital, Taichung, Taiwan

2013-present: Dean: Graduate Student Affairs, China Medical University, Taichung, Taiwan

**Research Interests:**

The research themes in my lab aim to translational medicine in clinical and basic kidney disease

**Representative Publications:**

1. [The effect of probiotics on serum levels of cytokine and endotoxin in peritoneal dialysis patients: A randomised, double-blind, placebo-controlled trial](#) Wang IK, Wu YY, Yang YF, Ting IW, Lin CC, Yen TH, Chen JH, Wang CH, Huang CC, Lin HC. *Benef Microbes*. 2015;6:423-430.
2. [Association between hypertensive disorders during pregnancy and end-stage renal disease](#). Wang IK, Muo CH, Chang YC, Liang CC, Chang CT, Lin SY, Yen TH, Chuang FR, Chen PC, Huang CC, Wen CP, Sung FC, Morisky DE. A population-based study. *CMAJ*. 2013;185:207-213.

**I-HUA WEI**

National Taiwan University college of medicine  
Department of Anatomy and Cell Biology PhD

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URL: [http://gibs.cmu.edu.tw/english/faculty\\_neurosci.html](http://gibs.cmu.edu.tw/english/faculty_neurosci.html)



**Research Interests:** Animal model of depression and schizophrenia; Traditional chinese medicine therapy

**Academic Distinctions:**

Outstanding Teaching Award, College of Medicine, China Medical University 2013

**Appointments:**

8/2014 - present Division head, Department of Anatomy, School of Medicine, China Medical University, Taichung, Taiwan

8/2011 - present Associate Professor, Department of Anatomy, School of Medicine, China Medical University, Taichung, Taiwan

08/2005 - 7/2011 Assistant Professor, Department of Anatomy, School of Medicine, China Medical University, Taichung, Taiwan

**Research Interests:**

Animal model of depression and schizophrenia; Traditional chinese medicine therapy

**Representative Publications:**

1. Chen KT, Wu CH, Tsai MH, Wu YC, Jou MJ, Huang CC, **Wei IH**. [Antidepressant-like effects of long-term sarcosine treatment in rats with or without chronic unpredictable stress. Behav Brain Res.](#) 2017 Jan 1;316:1-10.
2. Huang CC, Lai CJ, Tsai MH, Wu YC, Chen KT, Jou MJ, Fu PI, Wu CH, **Wei IH**. [Effects of melatonin on the nitric oxide system and protein nitration in the hypobaric hypoxic rat hippocampus. BMC Neurosci.](#) 2015 Oct 6;16:61.
3. Huang CC, **Wei IH**, Huang CL, Chen KT, Tsai MH, Tsai P, Tun R, Huang KH, Chang YC, Lane HY, Tsai GE. [Inhibition of glycine transporter-I as a novel mechanism for the treatment of depression. Biol Psychiatry.](#) 2013 Nov 15;74(10):734-41.
4. Chen KT, Tsai MH, Wu CH, Jou MJ, **Wei IH**, Huang CC. [AMPA Receptor-mTOR Activation is Required for the Antidepressant-Like Effects of Sarcosine during the Forced Swim Test in Rats: Insertion of AMPA Receptor may Play a Role. Front Behav Neurosci.](#) 2015 Jun 18;9:162.
5. Lin C, Wu CJ, **Wei IH**, Tsai MH, Chang NW, Yang TT, Kuo YM. [Chronic treadmill running protects hippocampal neurons from hypobaric hypoxia-induced apoptosis in rats. Neuroscience.](#) 2013 Feb 12;231:216-24.

## CMU Faculty Profile

Kuan-Cheng Chang

Director, Cardiovascular Medicine  
Professor, China Medical University, College of Medicine  
M.D., Ph.D., China Medical University, (Taiwan)  
Phone: (886)-4-22052121 ext. 3483  
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URL: [http://gibs.cmu.edu.tw/faculty\\_clinical.html](http://gibs.cmu.edu.tw/faculty_clinical.html)



**Research Interests:** Clinical and cellular electrophysiology, Heart failure, Catheter ablation for cardiac arrhythmias, Cardiac device implantation, Stem cell research

### Academic Distinctions:

Industry-academic Cooperation Award of CMU (2010)  
Distinguished Research Award of Graduate Institute of Clinical Medical Science, CMU (2010)  
Poster Award of the 41<sup>st</sup> Annual Convention and Scientific Session of the TSOC (2010)  
Industry-academic Cooperation Award of CMU (2013)  
Industry-academic Cooperation Award of CMU (2015)  
Fellow of the European Society of Cardiology (2015)  
Elite Physician Award of CMUH (2015)  
Outstanding Reviewer Award of HEART & LUNG - THE JOURNAL OF ACUTE AND CRITICAL CARE (2016)

### Appointments:

1993 ~ 1994: Attending physician in cardiology, Medicine, CGMH, Keelung  
1994 ~ 1996: Attending physician in cardiology, Medicine, CGMH, Kaohsiung  
1996 ~ 2005: Attending physician in cardiology, Medicine, CMUH  
2005 ~ 2007: Visiting Assistant Professor in Cardiology, Johns Hopkins University, USA  
2007/7 ~ 2015/7: Chief of Cardiology at CMUH  
2015/7 ~ Present: Director of Cardiovascular Medicine at CMUH

### Research Interests:

Dr. Chang's research focuses on clinical and basic electrophysiology and spending great efforts in the diagnosis and management of cardiac arrhythmia. He has performed more than 2,000 interventional procedures in treating various arrhythmias or heart failure. He has published more than 70 scientific research papers in high ranked journals including PNAS, JACC Imaging, Heart, Mayo Clinic Proceedings, IJC, and JCE.

### Representative Publications:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5240592/> Lee AS, Chen WY, Chan HC, Chung CH, Peng HY, Chang CM, Su MJ, Chen CH, \***Kuan-Cheng Chang**. Electronegative LDL-mediated cardiac electrical remodeling in a rat model of chronic kidney disease. Sci Rep. 2017 Jan 17;7:40676. doi: 10.1038/srep40676. (**Corresponding author**)

[http://www.mayoclinicproceedings.org/article/S0025-6196\(16\)30768-6/abstract](http://www.mayoclinicproceedings.org/article/S0025-6196(16)30768-6/abstract) Yen-Nien Lin, Shih-Sheng Chang, Lee-Min Wang, Hwan-Ting Chi, Kwo-Chang Ueng, Chin-Feng Tsai, Chee-Seong Phan, Li-Hua Lu, Choon-Hoon Hii, Yu-Ting Chung, Sumeet S. Chugh, Ming-Fong Chen, Tsu-Juey Wu, \***Kuan-Cheng Chang**. Pre-hospital Predictors of Initial Shockable Rhythm in Out-of-Hospital Cardiac Arrest: Findings from the Taichung Sudden Unexpected Death Registry (THUNDER). Mayo Clinic Proceedings 2017 in press. (**Corresponding author**)

<https://www.ncbi.nlm.nih.gov/pubmed/18337493> **Kuan-Cheng Chang**, Andreas S. Barth, Tetsuo Sasano, Eddy Kizana, Yuji Kashiwakura, Yiqiang Zhang, D. Brian Foster, and Eduardo Marban. CAPON modulates cardiac repolarization via neuronal nitric oxide synthase signaling in the heart. PNAS 2008;105:4477-4482.

# CMU Faculty Profile

## I-TA LEE

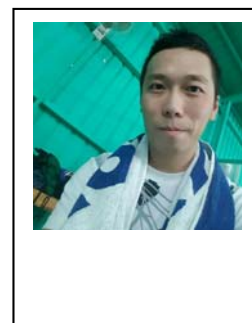
Assistant Professor, School of Medicine, College of Medicine, China Medical University

Ph.D., Division of Physiology and Pharmacology, Graduate Institute of Biomedical Sciences, College of Medicine, Chang Gung University, 2010

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URL: [http://gibs.cmu.edu.tw/faculty\\_ibsbs.html](http://gibs.cmu.edu.tw/faculty_ibsbs.html)



**Research Interests:** inflammatory signalings, antioxidant, anticancer, Chinese herbs

### Academic Distinctions:

#### Appointments:

2011-2013: Postdoctoral fellow: Department of Anesthetics, Chang Gung Memorial Hospital at Lin-Kou and College of Medicine, Chang Gung University

2013-2014: Postdoctoral fellow: Department of Physiology and Pharmacology and Health Aging Research Center, College of Medicine, Chang Gung University

2014-present: Assistant Professor: School of Medicine, College of Medicine, China Medical University

#### Research Interests:

The research themes in my lab aim to investigate the signaling pathways important for chronic inflammatory diseases, including rheumatoid arthritis, asthma, and cardiovascular diseases. We have used Chinese herbs and carbon monoxide-releasing molecule CORM-2 to inhibit the various inflammatory responses. Several areas of the research are actively studied in my lab.

#### Representative Publications:

[Eupafolin ameliorates COX-2 expression and PGE<sub>2</sub> production in particulate pollutants-exposed human keratinocytes through ROS/MAPKs pathways.](#) Lee CW#, Lin ZC#, Hsu LF, Fang JY, Chiang YC, Tsai MH, Lee MH, Li SY, Hu SC\*, Lee IT\*, Yen FL\*. **J Ethnopharmacol.** 2016 Aug 2;189:300-9.

[Anti-melanoma activity of \*Bupleurum chinense\*, \*Bupleurum kaoi\* and nanoparticle formulation of their major bioactive compound saikosaponin-](#) Hu SC#, Lee IT#, Yen MH, Lin CC, Lee CW\*, Yen FL\*. **J Ethnopharmacol.** 2016 Feb 17;179:432-42.

[ATP stimulates PGE<sub>2</sub>/cyclin D1-dependent VSMCs proliferation via STAT3 activation: role of PKCs-dependent NADPH oxidase/ROS generation.](#) Lee IT#, Lin CC, Wang CH, Cherng WJ, Wang JS, Yang CM\*. **Biochem Pharmacol.** 2013 Apr 1;85(7):954-64.

[Induction of COX-2/PGE<sub>2</sub>/IL-6 is crucial for cigarette smoke extract-induced airway inflammation: Role of TLR4-dependent NADPH oxidase activation.](#) Lin CC#, Lee IT#, Yang YL, Lee CW, Kou YR, Yang CM\*. **Free Radic Biol Med.** 2010 Jan 15;48(2):240-54.

Professor, College of Medicine, China Medical University, Taiwan  
Chief, Clinical Immunology Center, China Medical University Hospital, Taiwan  
Chief, Division of Pediatric Nephrology, China Medical University Children's Hospital



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URL : [http://webap.cmu.edu.tw/TchEportfolio/index\\_1/chingyuang](http://webap.cmu.edu.tw/TchEportfolio/index_1/chingyuang)

**RESEARCH INTERESTS:** Pediatric, Nephrology, Immunology, Pediatric Pulmonology, Allergy and Asthma

**ACADEMIC DISTINCTIONS:**

Professor Lin was awarded the Best Research Award of National Science Council Taiwan three times and the Outstanding Award for Best Submitted Abstract at 17th Annual Conference of Peritoneal Dialysis by the International Society of Peritoneal Dialysis.

**CLINICAL AND RESEARCH TRAINING**

2009-present Chief, Clinical Immunological Center, China Medical University Hospital  
2007-2009 Superintendent, Children's Medical Center, China Medical University Hospital  
2002-2007 Superintendent, Children's Hospital, Changhua Christian Hospital  
2002-2007 Dean, College of Health Sciences, Chang Jung Christian University  
2002-2007 Chairman, Institute of Medical Research, Chang Jung Christian University

**RESEARCH INTERESTS:**

I've participated in numerous pediatric and adult nephrology related meetings in various categories from chairmanship to speaking engagements. I've written more than 300 articles and book chapters on varied fields in Pediatric Nephrology, Human Genetics, Pediatric Pulmonology, Allergy and Asthma.

**PRESIDENT** Taiwan Society of Pediatric Nephrology

**CERTIFICATIONS**

China Board of Pediatrics & Medical Doctor  
Japan Board of Pediatrics & Medical Doctor 3530

**SOCIETY MEMBERSHIPS**

1979 Honorary member of the American Pediatric Society

**HONORS AND AWARDS**

2002 The New Categorical Award, Abort Health Care Worldwide  
2004 The Awards of the Best Research, National Science Council, Taiwan

**COUNCILMEMBER** Asian Association of Pediatric Nephrology

**EDITORIAL BOARD**

1. The Journal of Nephrology, Taiwan
2. Society of Pediatric Pulmonology Taiwan

**REPRESENTATIVE PUBLICATIONS:**

JW Chien, [CY Lin\\*](#), KD Yang, CH Lin, JK Kao, YG Tsai. [Increased IL-17A secreting CD4+ T cells, serum IL-17 levels, and exhaled nitric oxide are correlated with childhood asthma severity.](#) Clinical & Experimental Allergy 2013;43: 1018–1026 (doi: 10.1111/cea.12119)  
YG Tsai, CY Lee, TY Lin, [CY Lin\\*](#). [CD8+ Treg cells associated with decreasing disease activity after intravenous methylprednisolone pulse therapy in lupus nephritis with heavy proteinuria.](#) PLOS ONE 9 (1):| e81344 (DOI: 10.1371/journal.pone.0081344) (Published: January 27, 2014)  
Li PC, Yang YC, Hwang GY, Kao LS, [Lin CY\\*](#). [Inhibition of reverse-mode sodium-calcium exchanger activity and apoptosis by levosimendan in human cardiomyocyte progenitor cell-derived cardiomyocytes after anoxia and reoxygenation.](#) PLOS ONE 9 (2):| e85909 ( DOI: 10.1371/journal.pone.0085909) (Published: February 3, 2014)

## CMU Faculty Profile

### CHIH-CHIA LIANG

Assistant Professor, Department of Medicine, China Medical University  
Attending nephrologist, China Medical University Hospital

Phone: (886)-4-22052121 ext3484

Email: [physicianliangcc@cmuh.org.tw](mailto:physicianliangcc@cmuh.org.tw)

URL:



**Research Interests:** Epidemiology and Immunology in Chronic Kidney Disease

#### Academic Distinctions:

Distinguished Teaching Resident Doctor, Chang Gung Memorial Hospital (2003)

#### Appointments:

1995-2002: Department of Medicine, Chang Gung University

2002-2006: Residency in Internal Medicine, Chang Gung Memorial Hospital, Linkou

2006-2008: Clinical Fellow in Nephrology, Chang Gung Memorial Hospital, Linkou

2008-present: Attending physician, Division of Nephrology, China Medical University Hospital

2012-present: Graduate Program of Translational Medicine, Academia Sinica

2015-present: Assistant Professor, Department of Medicine, China Medical University

#### Research Interests:

My clinical research concentrates on the epidemiology of upper gastrointestinal bleeding and diabetes in patients with chronic kidney disease. In past years, I have utilized the data in CMUH and National Health Insurance Database to well establish the relationship between chronic kidney disease and upper gastrointestinal bleeding. In the future, my basic research will focus on how intestinal microbiota affects chronic kidney disease.

#### Representative Publications:

[Upper gastrointestinal bleeding as a risk factor for dialysis and all-cause mortality: a cohort study of chronic kidney disease patients in Taiwan.](#) Liang CC, Chou CY, Chang CT, Wang IK, Huang CC\*. **BMJ Open.** 2016;6(5):e010439.

[Angiotensin II receptor blocker prevents upper gastrointestinal bleeding in hypertensive patients with chronic kidney disease not on dialysis.](#) Chou CY, Wang SM, Chang PH, Kuo HL, Chang CT, Liu JH, Wang IK, Yang YF, Liang CC\*, Huang CC. **Int J Clin Pract.** 2015;69(7):722-8.

[Upper gastrointestinal bleeding in patients with CKD.](#) Liang CC, Wang SM, Kuo HL, Chang CT, Liu JH, Lin HH, Wang IK, Yang YF, Lu YJ, Chou CY\*, Huang CC. **Clin J Am Soc Nephrol.** 2014;9(8):1354-9.

[Peptic Ulcer Disease Risk in Chronic Kidney Disease: Ten-Year Incidence, Ulcer Location, and Ulcerogenic Effect of Medications.](#) Liang CC, Muo CH, Wang IK, Chang CT, Chou CY, Liu JH, Yen TH, Huang CC, Chung CJ\*. **PLoS One.** 2014;9(2):e87952.

[Hypokalemic nephropathy in anorexia nervosa.](#) Liang CC, Yeh HC\*. **Canadian Medical Association Journal** 2011;183(11):E761.

## CMU Faculty Profile

### SHI-YANN CHEG

Director, Department of Medical Education and Research, China University  
Beigang Hospital, Yunlin, Taiwan  
Assistant Professor, Department of Obstetrics and Gynecology, School of  
Medicine, China Medical University, Taichung, Taiwan



M.D., National Yang-Ming University, Taipei, Taiwan, 1990

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URL: [http://webap.cmu.edu.tw/TchEportfolio/index\\_1/d1985](http://webap.cmu.edu.tw/TchEportfolio/index_1/d1985)

**Research Interests:** Labor induction, Interprofessional Education, Medical Ethics

### Academic Distinctions:

Award for excellence in clinical medical education, CMU (2010)

Masterpiece in national PBL case contest, CMU (2012)

Excellent award in excellent teaching material selection, CMU (2015)

### Appointments:

1990-1995: Resident: Department of Obstetrics and Gynecology, Kaohsiung Veteran General Hospital

1995-1999: Visiting staff: Department of Obstetrics and Gynecology, Chiayi God's help hospital

1999-2006: Visiting staff: Department of Obstetrics and Gynecology, China Medical University Beigang Hospital

2006-present: Director: Department of Obstetrics and Gynecology, CMUBH

2009-present: Director: Department of Medical Education and Research, CMUBH

2000-2015: Lecture: School of Medicine, CMU

2015-present: Assistant Professor: School of Medicine, CMU

### Research Interests:

The research themes in my team aim to perform the clinical trial of labor induction or augmentation with titrated misoprostol solution. We have combined the novel method of labor induction and neural network model to develop intelligent software system to assist clinical obstetrician to learn this method of labor induction. The researches of interprofessional education and medical ethics are actively studied in my team.

### Representative Publications:

Cheng SY, Ming H, Lee JC. [Titrated oral compared with vaginal misoprostol for labor induction: A randomized controlled trial.](#) Obstet Gynecol 2008; 111: 119-125

Cheng SY, Hsue CH, Hwang GH, Chen W, Li TC. [Comparison of labor induction with titrated oral misoprostol solution between nulliparous and multiparous women.](#) J Obstet Gynaecol Res 2010; 36: 72-78

Ho M, Cheng SY, Li TC. [Titrated oral misoprostol solution compared with intravenous oxytocin for labor augmentation: A randomized controlled trial.](#) Obstet Gynecol 2010; 116: 612-618

Cheng SY, Hsue CS, Hwang GH, Tsai LC, Pei SC. [Hourly oral misoprostol administration for terminating midtrimester pregnancies: A pilot study.](#) Taiwan J Obstet Gynecol 2010; 49: 438-441

Cheng SY, Chen Walter, Huang CY, Chan CY, Li TC. [A novel course for fostering systems-based practice competency among medical students.](#) J Med Education 2011; 15: 96-105

Hung CH, Cheng SY, Chan TM, Lee MR. [Evaluating misoprostol content in pregnant women with hourly oral administration during labor induction by microElution solid phase extraction combined with liquid chromatography tandem mass spectrometry.](#) J Chromotogr B 2015;1000:176-180



**Wen-Yuan Lin**

1. Professor, School of Medicine, College of Medicine, China Medical University
2. Attending Physician, Department of Family Medicine, China Medical University Hospital

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**Research Interests:** Family Medicine, Bariatric Medicine, Geriatric Medicine, Human Nutrition  
Hospice Palliative, Group Counselling, Health and Travel Medicine

**Academic Distinctions:**

Professor , College of Medicine ,China Medical University  
Attending Physician, Family Medicine, China Medical University Hospital

**Appointments:**

- |                   |   |
|-------------------|---|
| 07/2002 - Present | Attending Physician, Family Medicine, China Medical University Hospital   |
| 08/2013 - Present | Professor , College of Medicine ,China Medical University   |
| 02/2010 - 07/2013 | Associate Professor , College of Medicine ,China Medical University<br>Research Fellow, New York Obesity Research Center<br>Saint Luke's-Roosevelt Hospital Center, NY, United States |
| 08/2008 - 07/2009 | Visiting Scholar, Human Nutrition<br>Columbia University, NY, United States   |
| 02/2007 - 01/2010 | Assistant Professor , College of Medicine ,China Medical University   |
| 03/2003 - 01/2007 | Lecturer, College of Medicine, China Medical University   |
| 07/2001 - 06/2002 | Attending Physician, Family Medicine, En-Chu-Kon Hospital   |
| 07/1998 - 06/2001 | Resident, Family Medicine, National Taiwan University Hospital  |

**Research Interests:**

Dr. Wen-Yuan Lin's research interests have been on the development and treatment of obesity, metabolic syndrome, and sarcopenia in the community. He also focuses on the nutrition intervention (both over-nutrition and under-nutrition) in the general population (including adult and elderly).

**Representative Publications:**

1. Yen-Ting Chen, Chih-Te Ho, Hua-Shai Hsu, Po-Tsung Huang, Chin-Yu Lin, Chiu-Shong Liu, Tsai-Chung Li, Cheng-Chieh Lin, **Wen-Yuan Lin**\*, [Objective Palliative Prognostic Score Among Patients With Advanced Cancer](#). JOURNAL OF PAIN AND SYMPTOM MANAGEMENT. <http://dx.doi.org/10.1016/j.jpainsymman.2014.08.01> (SCI)
2. Chia-Ing Li, Chiu-Shong Liu, **Wen-Yuan Lin**, Nai-Hsin Meng, Ching-Chu Chen, Shing-Yu Yang, Hsuan-Ju Chen, Cheng-Chieh Lin, Tsai-Chung Li. [Glycated Hemoglobin Level and Risk of Hip Fracture in Older People with Type 2 Diabetes: A Competing Risk Analysis of Taiwan Diabetes Cohort Study](#). JOURNAL OF BONE AND MINERAL RESEARCH. 2015, 30(7):1338-1346.
3. Shao-Yi Cheng, **Wen-Yuan Lin**, Ya-Hui Cheng, Chien Hsiun Huang, Ching-Yu Chen, Shinn-Jang Hwang, Shih-Tzu Tsai, Tai-Yuan Chiu. [Cancer patient autonomy and quality of dying—a prospective nationwide survey in Taiwan](#). PSYCHO-ONCOLOGY. 2015. Wiley Online Library DOI: 10.1002/pon.3901 (SCI)
4. **Wen-Yuan Lin** , Cheng-Yuan Peng, Cheng-Chieh Lin , Lance E. Davidson , F. Xavier Pi-Sunyer , Pei-Kun Sung , Kuo-Chin Huang. [General and Abdominal Adiposity and Risk of Death in HBV vs. non-HBV Carriers: A 10-Year Population-Based Cohort Study](#). Medicine.2015. 95(2):e2162

Dean, Graduate Student Affairs  
Professor, Department of Medicine, College of Medicine

Ph.D., Cornell University (New York, U.S.A.), (1991)

Phone: (886)-4-22052121 ext 3483 or 2977

Email: [d5686@mail.cmuh.org.tw](mailto:d5686@mail.cmuh.org.tw)

大頭照片

**Research Interests:** Cancer Biology, Anti-cancer Drug,

**Academic Distinctions:**

**Appointments:**

|              |   |
|--------------|---|
| 02/2008- now | Professor, Department of Medicine, School of Medicine, China Medical University   |
| 01/2010- now | Vice Superintendent, Cancer Center, China Medical University Hospital   |
| 02/2011-now  | Reviewer, National Research Program for Biopharmaceuticals (NRPB), Ministry of Health and Welfare   |
| 02/2011-now  | Reviewer, Group of Drug Affairs, National Health Insurance Administration, Ministry of Health and Welfare   |
| 01/2015-now  | Member of the Joint Meeting of the NHI Pharmaceutical Benefits and Reimbursement Schedule, National Health Insurance Administration, Ministry of Health and Welfare |
| 01/2015-now  | Reviewer, Committee for Drug Consultation, Food and Drug Administration, Ministry of Health and Welfare   |

**Research Interests:**

1. Clinical research with clinical outcome analysis and reports on malignant diseases
2. Industrial sponsored early phase as well as phase 3 and post-marketing clinical trials
3. Anti-cancer activities and mechanisms of botanical products (small molecules)

**Representative Publications:**

[Second haploidentical peripheral blood stem cell transplantation for treatment of acute leukemia with relapse after first allogeneic peripheral blood stem cell transplantation..](#) S-P Yeh, C-C Lin, C-H Lin, W-C Lo, T-T Chen, W-J Lo, C-L Lin and C-F Chiu. **Bone Marrow Transplantation** 2015, 1-3. doi:10.1038/bmt.2015.67

[Nanoliposomal irinotecan with 5-fluorouracil and leucovorin in metastatic pancreatic cancer after prior gemcitabine-based therapy \(NAPOLI-1\): a global, randomized, open-label phase 3 trial.](#) Andrea Wang-Gillam\*, Chung-Pin Li, György Bodoky, Andrew Dean, Y.-S. Shan, Gayle Jameson, Teresa Macarulla, Kyung-Hun Lee, David Cunningham, Jean F. Blanc, Richard A. Hubner, **Chang-Fang Chiu**, Gilberto Schwartsmann, Jens T. Siveke, Fadi Braiteh, Victor Moyo, Bruce Belanger, Navreet Dhindsa, Eliel Bayever, Daniel D. Von Hoff\*, Li-Tzong Chen\* for the NAPOLI-1 Study Group. **The Lancet** (published on line on 22 November, 2015) (DOI: [http://dx.doi.org/10.1016/S0140-6736\(15\)00986-1](http://dx.doi.org/10.1016/S0140-6736(15)00986-1))

[T315 Decreases Acute Myeloid Leukemia Cell Viability through a Combination of Apoptosis Induction and Autophagic Cell Death.](#) **Chang-Fang Chiu**, Jing-Ru Weng, Appaso Jadhav, Chia-Yung Wu, Aaron M. Sargeant and Li-Yuan Bai\* **Int. J. Mol. Sci.** 2016, 17, 1337

[A triterpenoid from wild bitter gourd inhibits breast cancer cells.](#) Li-Yuan Bai1, **Chang-Fang Chiu**, Po-Chen Chu, Wei-Yu Lin, Shih-Juan Chiu & Jing-Ru Weng. **Scientific Reports** 2016 March 01, 6:22419 | DOI: 10.1038/srep22419



Position: Vice-president

Professor, School of Medicine, College of Medicine

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E-mail: cclin@mail.cmuh.org.tw

**Major Research Area:** Family Medicine; Preventive medicine & Community Medicine; Geriatric Medicine & Gerontology; Health Services Administration

### Education

1996-2002 Ph.D. in Health Administration, Department of Health Administration, School of Public Health, University of South Carolina, Columbia, U.S.A.

1990-1992 M.H.A in Health Services Administration, Graduate Institute of Health Services Administration, China Medical University, Taichung, Taiwan

1976-1983 M.D. in Medicine, School of Medicine, China Medical University, Taichung, Taiwan

### Present Appointment

2014.08-present Vice-president, China Medical University, Taiwan

2002.08-present Professor, School of Medicine, China Medical University, Taiwan

2011.09-present Attending physician, Department of Geriatrics medicine, China Medical

2012.07-present President, Taiwan Association of Gerontology and Geriatrics

### Working Experience

2009.08-2015.07 Dean, College of Medicine, China Medical University, Taiwan

2012.08-2014.07 Director, Ph.D. Program for Translational Medicine, College of Medicine, China Medical University, Taiwan

2012.08-2014.07 Director, Ph.D. Program for Cancer Biology and Drug Discovery, College of Medicine, China Medical University, Taiwan

2010.08-2014.01 Director, Regional Research Ethics Center, Taiwan

### Honors and Awards

1. Health Promotion Contribution Award (Individual), Health Promotion Administration, Ministry of Health and Welfare. (2015)
2. Outstanding Paper Award of MSD, "Reduced Health-Related Quality of Life in Elders with Frailty: A Cross-Sectional Study of Community-Dwelling Elders in Taiwan" published in PLoS ONE 2011. (2012)
1. Chun-Pai Yang, Chia-Ing Li, Chiu-Shong Liu, Wen-Yuan Lin, Kai-Lin Hwang, Sing-Yu Yang, Tsai-Chung Li, **Cheng-Chieh Lin**\*. [Variability of fasting plasma glucose increased risks of diabetic polyneuropathy in T2DM.](#) *Neurology*. 2017 Mar 7;88(10):944-951. . *SCI*
2. Shih-Yi Lin, Cheng-Li Lin, Shu-Woei Ju, I-Kuan Wang, **Cheng-Chieh Lin**, Chih-Hsueh Lin, Wu-Huei Hsu, Ji-An Liang\*. [Increasing risk of cataract in HCV patients receiving anti-HCV therapy: A nationwide cohort study.](#) *PLoS One*. 2017 Mar 6;12(3):e0173125. *SCI*
3. Shih-Wei Lai, Chih-Hsueh Lin, Hsien-Feng Lin, Cheng-Li Lin, **Cheng-Chieh Lin**, Kuan-Fu Liao\*. [Herpes zoster correlates with increased risk of Parkinson's disease in older people.](#) *Medicine (Baltimore)*. 2017 Feb; 96(7): e6075. *SCI*
4. **Cheng-Chieh Lin**, Irene Tamj-Maury, Wei-Fen Ma, Cho Lam, Ming-Hsui Tsai, Mi-Ting Lin, Chia-Ing Li, Chiu-Shong Liu, Tsai-Chung Li, Chang-Fang Chiu, I-Ying Lu & Ellen R. Gritz\*. [Social and Cultural Context of Betel Quid Consumption in Taiwan and Implications for Prevention and Cessation Interventions.](#) *Subst Use Misuse*. 2017 Jan 31:1-10. doi: 10.1080/10826084.2016.1246572. [Epub ahead of print]. *SSCI*
5. Yu-Wan Yang, Teng-Fu Hsieh, Chia-Ing Li, Chiu-Shong Liu, Wen-Yuan Lin, Jen-Huai Chiang, Tsai-Chung Li, **Cheng-Chieh Lin**\*. [Increased risk of Parkinson disease with diabetes mellitus in a population-based study.](#) *Medicine (Baltimore)*. 2017 Jan;96(3):e5921. *SCI*

## CMU Faculty Profile

### CHENG-CHUN LEE

Professor, School of Medicine, College of Medicine  
Director, Department of Neurology in China Medical University Hospital,  
Taichung, Taiwan

M.D. College of Medicine, National Taiwan University, Taipei, Taiwan.  
(September 1974~June 1981)

Ph.D., Toho University, Tokyo, Japan Doctor of Clinical Medicine  
(April, 1998~May, 2003)

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URL: [http://gibs.cmu.edu.tw/english/faculty\\_tumor.html](http://gibs.cmu.edu.tw/english/faculty_tumor.html)



**Research Interests:** Neurophysiology of Parkinson disease, dystonia, myoclonus, tremor, human motor control and gait.

#### Academic Distinctions & Appointments:

2007/06~present Professor, Department of Neurology, China Medical University, Taichung, Taiwan

2011/08~present Dean, School of Medicine, College of Medicine, China Medical University, Taichung, Taiwan

2011/08~present Deputy Dean, College of Medicine, China Medical University, Taichung, Taiwan

1991/07~present Attending Physician, Department of Neurology, China Medical University Hospital, Taichung Taiwan

2009/08-2011/07 Deputy Dean, College of Health Care, China Medical University, Taichung, Taiwan

2001/03-2009/07 Superintendent's Office (Advisor), China Medical University Hospital, Taichung, Taiwan

2006/07-2009/07 Chair, Department of Health Care Quality Control, China Medical University Hospital, Taichung Taiwan

#### Representative Publications:

Possible inhibitor from traditional Chinese Medicine for the  $\beta$  form of calcium-dependent protein kinase type II in the treatment of major depressive disorder. Hung TC, Lee WY, Chen KB, Huang HJ, Chan YC, Lee CC, Chen YC.. **Journal of Biomedicine and Biotechnology** 2014 Jun;2014 (761849 ):1 -14. SCI

Investigation of Traditional Chinese Medicine Compounds to Inhibit Human Histone Deacetylase 2 for Patients with Alzheimer's Disease Huang TC, Lee WY, Chen KB, Chan YC, Lee CC, Chen YC. In Silico. **Journal of Biomedicine and Biotechnology** 2014 Jun; 2014 (769867 ):1 -15. SCI

Lead Discovery for Alzheimer's Disease Related Target Protein RbAp48 from Traditional Chinese Medicine Huang HJ, Lee CC, Chen YC. **Journal of Biomedicine and Biotechnology** 2014 Jun; 2014 (764946 ):1 -14. SCI

Potential Smoothened Inhibitor from Traditional Chinese Medicine against the Disease of Diabetes, Obesity, and Cancer. Chen KC, Feng SM, Chen HY, Lee CC, Chen YC. **Journal of Biomedicine and Biotechnology** 2014 Jul; 2014 (873010 ):1 -12. SCI

Medical students' awareness and perception of national health examinations. Tzu WL, Lai TY, Liu CS, Lee CC, Liu CC. **Bio Medicine** 2014 Sep; 4 (3 ):35 -45.

## CMU Faculty Profile

### HUANG-JOE WANG

Attending physician, Division of Cardiovascular Medicine, Department of Internal Medicine, China Medical University Hospital

Associate professor, School of Medicine, China Medical University

M.D., School of Medicine, China Medical College, Taiwan (1995)

Ph.D., Institute of Biotechnology, National Tsing Hua University, Taiwan (2010)

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**Research Interests:** Atherosclerosis, thrombosis, Diabetic Vascular Disease, Proteomics

#### Academic Distinctions:

The Second Prize, the Best Article Award, 2009, Taiwan Society of Cardiology

Honorable Mention, the Original Article Poster contest, 2010, Taiwan Society of Internal Medicine.

The Second Prize, the Original Article Poster contest, 2013, Taiwan Society of Internal Medicine.

The Poster Award, Annual Convention & Scientific Session, 2014, Taiwan Society of Cardiology.

The Third Prize, the Original Article Poster contest, 2014, Taiwan Society of Internal Medicine.

Honorable Mention, the Original Article Poster contest, 2016, Taiwan Society of Internal Medicine.

#### Appointments:

July 2002- present: Attending physician, Division of Cardiovascular Medicine, Department of Internal Medicine, China Medical University Hospital, Taiwan

Jan 2003- Dec 2006: Lecturer, School of Medicine, China Medical University, Taiwan

Jan 2007- Jul 2012: Assistant professor, School of Medicine, China Medical University, Taiwan

Aug 2012- Present: Associate professor, School of Medicine, China Medical University, Taiwan

#### Research Interests:

The research themes in my lab aim to decipher the pathogenesis important for diabetic vascular disease and atherothrombosis. The primary model system in our lab using human aortic endothelial cells (HAECs) to examine the relevant regulation of endothelial cell signaling. In addition, we also use mouse model to address the pathogenesis of diabetic vascular disease and atherothrombosis. Several areas of the research are actively studied in my lab.

#### Representative Publications:

1. [Identification of Cofilin-1 Induces G0/G1 Arrest and Autophagy in Angiotensin -\(1-7\)-treated Human Aortic Endothelial Cells from iTRAQ Quantitative Proteomics.](#) Wang HJ, Chen SF, Lo WY. Sci. Rep. 6, 35372; doi: 10.1038/srep35372 (2016).
2. [iTRAQ Quantitative Proteomics-Based Identification of Cell Adhesion as a Dominant Phenotypic Modulation in Thrombin-Stimulated Human Aortic Endothelial Cells.](#) Wang HJ, Chen SF, Lo WY. Thromb Res 2015; 135(5):944-50.
3. [MicroRNA-146a Decreases High Glucose/Thrombin-induced Endothelial Inflammation by Inhibiting NADPH Oxidase 4 Expression.](#) Wang HJ, Huang YL, Shih YY, Wu HY, Peng CT, Lo WY. Mediators Inflamm. 2014;2014:ID 379537.
4. [Angiotensin-\(1-7\) Decreases Glycated Albumin- induced Endothelial Interleukin-6 Expression via Modulation of miR-146a.](#) Wang HJ, Lo WY, Lin LJ. Biochem Biophys Res Commun 2013;430(3):1157-1163.
5. [Modulation of tissue factor and thrombomodulin expression in human aortic endothelial cells incubated with high glucose.](#) Wang HJ, Huang HC, Chuang YC, Liao PJ, Yang DM, Yang WK, Huang H. Acta Diabetol. 2012;49(2):125-30.
6. [\(-\)-Epigallocatechin-3-gallate Decreases Thrombin/Paclitaxel-Induced Endothelial Tissue Factor Expression via the Inhibition of c-Jun Terminal NH2 Kinase Phosphorylation.](#) Wang HJ, Lo WY, Lu TL, Huang H. Biochem Biophys Res Commun 2010; 391(1):716-721.

## CMU Faculty Profile

Chen-Chen Lee

Associate Professor, School of Medicine, College of Medicine



### Degree:

Ph.D., Graduate Institute of Toxicology, National Taiwan University, 2003

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**Research Interests:** Molecular Immunology, Therapeutic effects and mechanisms in respiratory inflammatory diseases

### Awards:

Professor Liu Wenzhang Academic Paper Award, The Chinese Society of Immunology (2014)

2015 Society of Chinese Bioscientists in America The 15th International Symposium Poster Award,

2015 Society of Chinese Bioscientists in America

### Appointments:

2003-2007: Postdoctoral fellow: National Taiwan University

2007-2011: Assistant Professor: School of Medicine, CMU

2011-present: Associate Professor: School of Medicine

2010-2013: Director, Department of Microbiology and Immunology, School of Medicine, CMU

2013: Visiting scholar, University of California, Davis

### Specialties/Focus:

The research themes in my lab aim to decipher the pathologic mechanisms of respiratory inflammatory diseases. We have found several important therapeutic targets of chronic airway allergic asthma, especially in steroid-resistance severe asthma. We also investigate therapeutic potential pure compounds or extract from Chinese herb medicine on allergic or skin autoimmune diseases.

### Representative Publications:

[High mobility group box 1-induced epithelial mesenchymal transition in human airway epithelial cells.](#) Yu-Ching Chen, Sarah Statt, Reen Wu, (Hao-Teng Chang, Jiunn-Wang Liao, Chien-Neng Wang, Woei-Cherng Shyu, **Chen-Chen Lee\***. **Scientific Reports** 2016 Jan, 6:18815.

[Ligand independent aryl hydrocarbon receptor inhibits lung cancer cell invasion by degradation of Smad4.](#) **Chen-Chen Lee**, Wen-Hao Yang, Ching-Hao Li, Yu-Wen Cheng, Chi-Hao Tsai, Jaw-Jou Kang. **Cancer Lett.** 2016 Jul 1;376(2):211-7.

[High Mobility Group Box 1 Induced Human Lung Myofibroblasts Differentiation and Enhanced Migration by Activation of MMP-9.](#) **Chen-Chen Lee\***, Chien-Neng Wang, Yueh-Lun Lee, Yi-Ru Tsai, Jau Jin Liu. **PLoS One** 2015 Feb, 10(2).

[Inhibition of high-mobility group box 1 in lung reduced airway inflammation and remodeling in a mouse model of chronic asthma.](#) **Chen-Chen Lee\***, Yu-Ting Lai, Hao-Teng Chang, Jiunn-Wang Liao, Woei-Cherng Shyu, Chi-Yuan Li, Chien-Neng Wang. **BIOCHEMICAL PHARMACOLOGY**, 2013 Oct, 86(7):940-949.

[Shikonin Inhibited Bone Marrow-Derived Dendritic Cell Maturation and Suppressed Allergic Airway Inflammation in a Murine Model of Asthma.](#) **Chen-Chen Lee\***, Chien-Neng Wang, Yu-Ting Lai, Jaw-Jou Kang, Jiunn-Wang Liao, Bor-Luen Chiang, Hui-Chen Chen, Yu-Wen Cheng. **Br J Pharmacol.** 2010 Dec; 161(7): 1496–1511.

## CMU Faculty Profile

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**Research Interests:** Pharmacology, Neuroscience, Tumor biology and Animal behaviors

### Academic Distinctions:

Distinguished Teaching Professor, College of Medicine, CMU (2013)

Distinguished Teaching Professor, College of Medicine, CMU (2014)

### Appointments:

2007-2008: Postdoctoral fellow, Department of Pharmacology, National Taiwan University

2008-2011: Assistant Professor, Graduate Institute of Neural and Cognitive Sciences, CMU

2011-2012: Visiting Scientist, Department of Genetics and Complex Diseases, Harvard School Public Health

2011-2014: Associate Professor, Graduate Institute of Neural and Cognitive Sciences, CMU

2014 -2014: Professor, Graduate Institute of Neural and Cognitive Sciences, CMU

2014-present: Professor, Department of Pharmacology, School of Medicine, CMU

### Research Interests:

The research themes in my lab aim to decipher the inflammatory responses important for neurodegenerative diseases, animal behaviors and tumor progression. We have combined the biochemical approaches and disease mouse model to address the relevant signaling regulation in neurodegeneration, cognitive dysfunction and cancer progression. Several areas of the research are actively studied in my lab.

### Representative Publications:

[Characterization of a novel adult murine immortalized microglial cell line and its activation by amyloid-beta.](#) McCarthy RC, **Lu DY**, Alkhateeb A, Gardeck AM, Lee CH, Wessling-Resnick M. *J Neuroinflammation*. 2016 27;13(1):21

[Naringenin Suppresses Neuroinflammatory Responses Through Inducing Suppressor of Cytokine Signaling 3 Expression.](#) Wu LH, Lin C, Lin HY, Liu YS, Wu CY, Tsai CF, Chang PC, Yeh WL, **Lu DY\***. *Mol Neurobiol*. 2016 53(2):1080-91

[Migration-prone glioma cells show curcumin resistance associated with enhanced expression of miR-21 and invasion/anti-apoptosis-related proteins.](#) Yeh WL, Lin HY, Huang CY, Huang BR, Lin C, Lu DY, Wei KC. *Oncotarget*. 2015 10;6(35):37770-81

[Anti-neuroinflammatory effects of lycopene via activation of adenosine monophosphate-activated protein kinase- \$\alpha\$ 1/HO-1 pathways.](#) Lin HY, Huang BR, Yeh WL, Lee CH, Huang SS, Lai CH, Lin H, **Lu DY\***. *Neurobiol Aging*. 2014 35(1):191-202.

[Osteopontin increases heme oxygenase-1 expression and subsequently induces cell migration and invasion in glioma cells.](#) **Lu DY\***, Yeh WL, Huang SM, Tang CH, Lin HY, Chou SJ. *Neuro Oncol*. 2012 14(11):1367-78.

Associate Professor, School of Medicine & Graduate Institution of Biomedical Sciences, College of Medicine

Ph.D., National Taiwan University (Taiwan), 2008

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**Research Interests:** Radiation Oncology; Health Services Research & Health Economics

**Academic Distinctions:**

Recipient of Best Physician Awards, China Medical University Hospital, 2008 & 2011

**Appointments:**

9/2008~ 8/2011 Assistant Professor, Department of Radiation Oncology, School of Medicine, Chinese Medical University

9/2011~ 8/2016 Associate Professor, Department of Radiation Oncology, School of Medicine, College of Medicine, Chinese Medical University

9/2016 ~ now, Associate Professor, Department of Radiation Oncology, School of Medicine, and Graduate Institute of Biomedical Sciences, College of Medicine, China Medical University

**Research Interests:**

My research interests include [a]I cancer related comparative effectiveness research [CER] my clinical interests like lung, esophageal, colorectal, and other cancers. [b] Cancer related health services [HSR], especially cost related studies.

**Representative Publications:**

[1] [Use of Chinese medicine among survivors of nasopharyngeal carcinoma in Taiwan: a population-based study.](#)

Chien CR, Su SY, Cohen L, Lin HW, Lee RT, Shih YC\*. **Integr Cancer Ther** 2012;11(3):221-31

[2] [Cost-effectiveness analyses of targeted oral anti-cancer drugs: a systematic review.](#) Smieliauskas F, Chien CR

[equal contribution to 1st author], Shen C, Geynisman DM, Shih YC\*. **Pharmacoeconomics** 2014;32(7):651-80.

( SCI )

[3] [Cost and Effectiveness of image-guided radiotherapy for non-operated localized lung cancer: a population-based propensity score-matched analysis.](#) Hsia TC, Tu CY, Fang HY, Liang JA, Li CC, Chien CR\*. **J Thorac Dis**

2015;7(9):1643-9

[4] [Comparative effectiveness of image-guided radiotherapy for non-operated localized esophageal squamous cell carcinoma patients receiving concurrent chemoradiotherapy: A population-based propensity score matched analysis.](#) Li

CC, Chen CY, Chien CR\*. **Oncotarget** 2016;7(44):71548-71555



JAN-YOW CHEN

Associate Professor, China Medical University School of Medicine, Taichung, Taiwan

Attending Physician, Division of Cardiology, China Medical University Hospital, Taichung, Taiwan

Ph.D., Department of Life Sciences, National Chung Hsing University (Taiwan), 2013



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**Research Interests:** Cardiology, Cardiac Electrophysiology, Vascular Imaging, Tachycardia and Radiofrequency Catheter Ablation, Bradycardia and Pacing.

**Appointments:**

|               |  |
|---------------|--|
| 1992          | Licensed to Practice Medicine.               |
| 1997          | Specialist of Internal Medicine              |
| 1999          | Specialist of Cardiology                     |
| 2001          | Specialist of Critical Care Medicine         |
| 2009-2013:    | Assistant Professor: School of Medicine, CMU |
| 2013-present: | Associate Professor: School of Medicine, CMU |

**Research Interests:**

The research interests of my study include the clinical and basic investigation for the cardiology and cardiac electrophysiology. The clinical study focuses on the arrhythmia, electrophysiology and cardiac image. The basic research covers the genetic study and molecular biology for the cardiovascular disease.

**Representative Publications:**

1. The shortest QRS duration of an electrocardiogram might be an optimal electrocardiographic predictor for response to cardiac resynchronization therapy. **Chen JY**, Lin KH, Chang KC, Chou CY. Int Heart J. 2017 (in press).
2. [Transforming Growth Factor- \$\beta\$ 1 T869C Gene Polymorphism Is Associated with acquired sick sinus syndrome via linking a higher serum protein level.](#) **Chen JY**, Liu JH, Wu H, Lin KH, Chang KC, Liou YM.. PLoS One. 2016;5;11(7):e0158676
3. [Septal Pacing for Atrial Fibrillation Suppression Evaluation Study Group. Prospective randomized study to assess the efficacy of site and rate of atrial pacing on long-term progression of atrial fibrillation in sick sinus syndrome: Septal Pacing for Atrial Fibrillation Suppression Evaluation \(SAFE\)](#) Lau CP, Tachapong N, Wang CC, Wang JF, Abe H, Kong CW, Liew R, Shin DG, Padeletti L, Kim YH, Omar R, Jirarojanakorn K, Kim YN, Chen MC, Sriratanasathavorn C, Munawar M, Kam R, **Chen JY**, Cho YK, Li YG, Wu SL, Bailleul C, Tse HF, et al. Study. Circulation. 2013 Aug 13;128(7):687-93.
4. [Comparing survival between peritoneal dialysis and hemodialysis patients with subclinical peripheral artery disease: a 6-year follow-up.](#) Liu JH, **Chen JY**, Lin SY, Lin HH, Ting IW, Liang CC, Wang IK, Kuo HL, Chang CT, Huang CC, Sung FC. International Journal of Medical Sciences. 2013; 10(4):434-440.
5. **Chen JY**, Liou YM\*, Wu HDI, Lin KH, Chang KC. [Promoter Polymorphism G-6A, Which Modulates Angiotensinogen Gene Expression, Is Associated with Non-familial Sick Sinus Syndrome.](#) Plos One. 2012; 7: e29951, 1-7. (SCI)
6. **Chen JY**, Lin KH, Liou YM, Chang KC, Huang SKS\*. [Usefulness of Pre-Procedure Cavotricuspid Isthmus Imaging by Modified Transthoracic Echocardiography for Predicting Outcome of Isthmus-Dependent Atrial Flutter Ablation.](#) Journal of the American Society of Echocardiography. 2012; 24:1148-1155. (SCI).

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**Research Interests:** Cerebral ischemia, Morphine addiction, Mechanism of analgesia

**Academic Distinctions:**

Distinguished Teaching Professor, College of Medicine, CMU (2005, 2007, 2014)

Distinguished Teaching Professor, School of Medicine, CMU (2007)

CMU Distinguished Mentor Award, CMU (2012)

Dr. Hong-Yen Hsu Academic Award of Chinese Medicine, Taiwan (2010, 2014)

**Appointments:**

1992-2013: Associate Professor: Department of Pharmacology, School of Medicine, CMU

1996-1997: Postdoctoral fellow: Department of Pharmacology, University of Minnesota, USA

1999-2007: Chair: Department of Pharmacology, School of Medicine, CMU

2005-2005: Visiting Scholar: Department of Pharmacology and Toxicology, University of Mississippi Medical Center, USA

2007-2010: Director: Graduate Institute of Chinese Pharmaceutical Sciences, CMU

2013-present: Professor: Department of Pharmacology, School of Medicine, CMU

**Research Interests:**

The research themes in my lab aim to decipher the signaling pathways important for regulation of herbal medicine or natural compounds in cerebral ischemia or morphine tolerance. We have combined the animal model and biochemical approaches to address the relevant cellular signal regulation of herbal medicine in cerebral ischemia and nociception.

**Representative Publications (2013/09-2017):**

[Neuroprotection of Gueichih-Fuling-Wan on cerebral ischemia/ reperfusion injury in streptozotocin-induced hyperglycemic rats via the inhibition of the cellular apoptosis pathway and neuroinflammation.](#)

**Chen YF\***, Wu KJ, Huang WS, Hsieh YW, Wang YW, Tsai HY, Lee MM \* **BioMedicine**, 2016 Dec, 6(4):15-23.

[trans-Cinnamaldehyde, an essential oil in cinnamon powder, ameliorates cerebral ischemia-induced brain injury via inhibition of neuroinflammation through attenuation of iNOS, COX-2 expression and NFk-B signaling pathway.](#)

**Chen YF\***, Wang YW, Huang WS, Lee MM, Wood WG, Leung YM\*, Tsai HY **Neuromolecularmed**, 2016 Aug, 18(3):322-333.

[Paeoniflorin inhibits excitatory amino acid agonist- and high-dose morphine- induced nociceptive behavior in mice via modulation of N-methyl-D-aspartate receptors.](#) **Chen YF\***, Lee MM, Fang HL, Yang JG, Chen YC, Tsai HY **BMC Complement Altern Med**, 2016 Jul, 16:240.

[Pipoxolan ameliorates cerebral ischemia via inhibition of neuronal apoptosis and intimal hyperplasia through attenuation of VSMC migration and modulation of matrix metalloproteinase-2/9 and as/MEK/ERK signaling pathway.](#) **Chen YF\***, Tsai HY, Wu KJ, Siao LR, Wood WG **PLoS One**, 2013 Sep, 8(9):e75654.

CHIA-DER LIN

Superintendent of Education,  
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Medicine

M.D. College of Medicine, National Taiwan University, Taipei, Taiwan.  
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Ph.D., Graduate Institute of Clinical Medical Science, China Medical  
University, Taichung, Taiwan. (September 2006~June, 2011)



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**Research Interests:** Bioenergetic interaction of inner ears and its therapeutic implications, neuroplasticity in central auditory pathway, the biofilm activity in otitis media and other ENT infections, Cancer biology

**Academic Distinctions:**

1. Distinguished contributions to Scientific Research from the Society for Promotion of International Oto-Rhino-Laryngology, Japan (2005)
2. Elite Physician in China Medical University Hospital (2010)
3. Distinguished Teaching Professor, College of Medicine, CMU (2016)

**Appointments:**

Fellowship in Department of Otolaryngology Head and Neck Surgery, Tohoku University, Japan  
(July 2006~January 2007)

Director in the Laboratory of Hearing and Speech, Department of Otolaryngology, China Medical  
College Hospital, Taichung, Taiwan (since August 2000)

Director in the Department of Education, China Medical University Hospital, Taichung, Taiwan  
(since June 2011)

Vice Superintendent for Education, China Medical University Hospital, Taichung, Taiwan (since  
June 2012)

**Research Interests:**

The research themes in my lab aim to decipher the neuroplastic alternation important after some brain stimulation strategies. We have combined the neurophysiological, biochemical approaches and disease model to address the relevant regulation in central auditory tract. Some areas of the research are actively studied in my lab.

**Representative Publications:**

1. **Lin CD**, Wei IH, Tsai MH, Kao MC, Lai CH, Hsu CJ, Oshima T, Tsai MH. [Changes in guinea pig cochlea after transient cochlear ischemia](#). NeuroReport 2010; 21:968-875
2. **Chia-Der Lin**, I-Hua Wei, Chih-Ho Lai, Te-Chung Hsia, Ming-Ching Kao, Ming-Hsui Tsai, Ching-Hsiang Wu, Mang-Hung Tsai \*. [Hyperbaric oxygen upregulates cochlear constitutive nitric oxide synthase](#). BMC Neuroscience 2011; 12:21 e1-e10
3. **Chia-Der Lin**, Ming-Ching Kao, Ming-Hsui Tsai, Chih-Ho Lai, I-Hua Wei, Mang-Hung Tsai, Chih-Hsin Tang, Cheng-Wen Lin, Chuan-Jen Hsu, Ching-Yuang Lin\*. [Transient ischemia/hypoxia enhances gentamicin ototoxicity via caspase-dependent cell death pathway](#). Laboratory Investigation 2011; 91: 1092-1106