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學術論文及著作 |

【現職】

中國醫藥大學 基礎醫學研究所所長兼副研發長
中國醫藥大學 醫學院暨中醫學院共同實驗室 負責人
中國醫藥大學 中國醫學研究所 專任教授
中國醫藥大學 中台灣醫學雜誌(Mid-Taiwan Journal of Medicine)副總編輯
亞洲大學 保健營養生技學系 兼任教授
弘光科技大學 營養醫學研究所 兼任教授

【學歷】

輔仁大學 食品營養系學士(1983-1987)
國立 陽明大學生理所 心臟內分泌學碩士(1987-1989)
美國 伊利諾大學香檳校區分子生理所 乳癌分子醫學碩士(1992-1995)
美國 伊利諾大學香檳校區分子生理所 心臟分子醫學博士(1995-1998)
美國 伊利諾大學香檳校區分子生理所 心臟分子醫學博士後研究(1998-1999)

【經歷】

國立 陽明大學 生理學兼任助教(1987-1989)
中華民國 國軍 39 期預官(醫勤官兼 333 師營站主任)(1989-1991)
美國 伊利諾大學香檳校區 分子生理所助理及助教(1992-1996&1996-1998)
國立中正大學 分子生物研究所 兼任教授(2000-2008)
中山醫學大學 生化暨生物科技研究所 助教授(1999.8-2002.7)
中山醫學大學 生化暨生物科技研究所 副教授(2002.8-2005.10)
中山醫學大學 生化暨生物科技研究所 教授(2005.10-2006.7)
中山醫學大學 創新育成中心 主任(2005.8-2006.7)

【專長】

心臟分子生化及癌症分子醫學

【榮譽】

- ◆ 中國醫藥大學 2006-2008 及 2009-2012 傑出教授研究獎
- ◆ 中國醫藥大學醫學院 96 學年度(RPI)及 97 學年度(RPI 及論文篇數)研究績優獎

- ◆ 輔仁大學營養科學系傑出系友獎 (2008, 第三屆 Outstanding Alumni Award of Nutritional Science Department, Fu-Jen University, Taiwan)
- ◆ 台中市建功國小立人中學傑出校友獎(2009)
- ◆ 國立陽明大學尹旬諾論文獎(第三屆)
- ◆ 台灣調適醫學會理事(2007-2009)
- ◆ 台灣中國生理學雜誌(SCI)特約作者(2006-2009), 編輯委員(2009-2010)
- ◆ 工研院生醫所無給職顧問(2009 迄)
- ◆ 台中市莉程生物科技公司顧問(2006-2008)
- ◆ 台中縣一品堂中醫體系科技顧問(2008 迄今)
- ◆ 考選部高考命題委員(2009)
- ◆ 2009 生醫年會 March 21-22, 24th,生理學 Cardiovascular Biology Section, Program Organizer and invited speaker.
- ◆ 2009 International Conference of Adaptive Medicine Society, Aug 2-5, Taipei: Organizing board member and invited speaker.
- ◆ 中國西安交通大學暨附屬醫院參訪學者,2009/07/04 至 2009/07/12
- ◆ BIT's 1st Annual International Congress of Cardiology-2009, Shanghai, China, Dec 5-7: Co-Chair and invited speaker.
- ◆ 受邀擔任第七屆亞太生理學聯盟學術大會中醫藥替代醫學 Satellite Symposium 籌備主席, 2011 年 9 月 9 至 11 日於台中台灣
- ◆ 指導研究生論文獲獎 19th (劉忠榮)& 21th (朱俊憲)生醫年會生化分生優秀壁報獎,23th (郭昱均)生醫年會生理學會優秀壁報獎,3rd 中正大學分生所論文獎 1st 名(王惠勵),1st 中山醫學大學生化所論文獎 1st 名(顏均宇),1st 中國醫藥大學國際生醫研討暨研究生發表會壁報獎1st名(顏均宇),1st中國醫藥大學生科所研究生發表會壁報獎1st名(李振宇), 2009 International Conference of Adaptive Medicine Society, 發表會壁報獎1st名(陳德勇)
- ◆ Journal reviewer: International J. of Cardiology, Chinese J. of Physiol. , **Molecular Cellular Biochemistry**,Journal of molecular and cellular cardiology, Clinica Chima Acta, Pharmacology research, Journal of Cardiovascular Pharmacology, Clinical Biochemistry, Apoptosis, Acta Pharmacologica Sinica, eCAM, J. of Endocrinology, J. of Molecular Medicine.
- ◆ Project reviewer: Philip Morris external Research Program, Tzu Chi human clinical trail project, Taichung Veterans General Hospital project, NSC project.

【學術表現】

國際 SCI 期刊已接受發表 108 篇

【研究方向】

1. 雌性素(Estrogen)及其受體基因轉殖在心血管疾病阻斷及肝癌,直腸癌,口腔癌,前列腺癌防治機轉探討。癌症幹細胞移除機制研究。
2. 心肌細胞中鈣離子調控之激酶,去磷酸根酶及細胞激素之角色。
3. 心肌細胞肥厚及猝死之起始因子(含生長因子,發炎等)及臨床診斷指標(Clinicalbiochemical markers)尋找。
4. IGF-I 及 IGF-II 在心肌細胞之交互調控角色探討。
5. 糖尿病患及動物併發心血管疾病過程中其機轉及臨床診斷指標探討。
6. DNA 基因晶片在各種心肌疾病及肝癌,直腸癌的應用。
7. 心肌細胞肥厚過程中,Cytochrome-c-oxidase 活性及基因表現的差異。

8. 針灸的降血壓及抑心肌肥大分子機轉探討。
9. 強心促肝及神經細胞再生中藥材複方篩選及其單一成分調控之分子訊息探討,並分析其與西藥之混合療效。中草藥抗心肌肥厚及心肌凋亡療效評估及機轉探討。
10. 運動介入對血脂肪所誘導之心肌細胞肥厚拮抗作用及先天基因性肥胖鼠(Zucker)心肌病變分子訊息機轉研究。
10. 低氧低壓的心肌傷害及心肌細胞適應之分子機轉及鐵離子之氧化傷害評估。
11. 臨床心室中隔缺損病患及手術前後心肌組織之基因表現差異及梗塞組織之基因 SNP 掃瞄。
12. Translational Study of 負電性低密度脂蛋(L5)-Mediated Diabetic Cardiomyopathy.
13. SDF-1/CXCR4 調控 MMP2/9 訊息在血管內皮幹細胞(hUCB34-EPCs)引導中風血管新生過程之機轉探討。
14. Rejuvenating the aging brain by modulating NMDA-glycine receptor activity: genetic manipulation

【合作實驗室】

楊肇基(中山醫), 曾博修(中山醫), 謝錦源(中山醫), 盧敏吉(中山醫), 郭家驊(台北體), 賴基銘(國衛院), 許瑞芬(輔仁大), 劉英明(中興大), 王雪芳(弘光大), 林靜瑩(中台大), 王錫崗(陽明大), 羅正汜(陽明大), 李信達(中國醫), 陳悅生(中國醫), 林子恩(中國醫), 蔡輔仁(中國醫), 吳介信(中國醫), 劉哲育(中國醫), 許偉成(中國醫), 包大韞(中國醫)

【研究室成員】

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劉建男(研一), 謝昊學(研一), 李念鴻(研一), 羅鋒岳(研一), 黃上恩(研一), 魏嘉莉(研一, 共), 王韋然(研一, 共), 蘇家琪鄭立豪劉凡好陳嘉隆曾宥豪蔡佳昀魏立山徐佩慈林建勳黃碧玉(研二), 蔡志豪(研二), 吳俊賢(研二, 共), 曾千育(研二, 共), 吳凡妮, (研二, 共),

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【學術論文及著作】

2004-2010 (published) papers: RPI=105, CJA=4021
(IF>5, references:17,19,20,21,44,53,72,97)

1. **Chih-Yang Huang**, Yi-Fan Liou, Shu-Ying Chung, Peiying Pai, Chung-Ben Kan, Chia-Hua Kuo, Chang-Hai Tsai, Jing-Ying Lin: Magnesium sulphate enhanced the ischemia-induced glucose transporter 3 expression in Gerbil brains without HIF-1 α and ERK signalling pathway involved,

2. **Chih-Yang Huang**, Yi-Fan Liou, Shu-Ying Chung, Peiying Pai, Chung-Ben Kan, Chia-Hua Kuo, Chang-Hai Tsai, Jing-Ying Lin Role of ERK Signaling in the Neuroprotective Efficacy of Magnesium Sulfate Treatment During Focal Cerebral Ischemia in the Gerbil Cortex. *CJP* 2010, in press (First Author)
3. Da-Tian Bau*, Hwei-Chung Wang*, Chiu-Shong Liu*, Chia-Lin Chang, Su-Yin Chiang, Rou-Fen Wang, Chia-Wen Tsai, Yen-Li Lo, Chao A. Hsiung, Cheng-Chieh Lin, **Chih-Yang Huang** Single Nucleotide Polymorphism of Exo1 Gene: Association with Gastric Cancer Susceptibility and Interaction with Smoking in Taiwan. *Chinese Journal of Physiology*, 2010, in press *(Correspondence Author)
4. Yung-Ming Chang, Ying-Ting Shih, Yueh-Sheng Chen, Chien-Liang Liu, Wen-Kuei Fang, Chang-Hai Tsai, Fuu-Jen Tsai, Wei-Wen Kuo, Tung-Yuan Lai, **Chih-Yang Huang**. Schwann cell migration induced by earthworm extract via activation of PAs and MMP2/9 mediated through ERK1/2 and p38, *ECAM* 2010, in press (Correspondence Author)
5. Yung-Ming Chang, Wu-Hsien Kuo, Tung-Yuan Lai, Ying-Ting Shih, Fuu-Jen Tsai, Chang-Hai Tsai, Wen-Tong Shu, Ying-Yu Chen, Yueh-Sheng Chen, Wei-Wen Kuo, **Chih-Yang Huang**. RSC96 Schwann cell proliferation and survival induced by Dilong through PI3K/Akt signaling mediated by IGF-I, *ECAM* 2010, in press (Correspondence Author)
6. Hsien-Tung Chen, Bor-Show Tzang, Yueh-Sheng Chen, Kung-Wei Lee, Wei-Kung Chen, Hwai-Lee Wang, Fuu-Jen Tsai, Chang-Hai Tsai, Tung-Yuan Lai, Ying-Lan Tsai, **Chih-Yang Huang***, Chung-Yen Lu* Dangshen (*Codonopsis Pilosula*) activates IGF-I and FGF-2 pathways to induce Proliferation and Migration Effects in RSC96 Schwann Cells, *AJCM* 2010, in press (co-correspondence Author)
7. Wen-Kuei Fang, Yi-Jiun Weng, Mu-Hsin Chang, Li-Mien Chen, Yueh-Sheng Chen, Hsi-Hsien Hsu, Fuu-Jen Tsai, Chang-Hai Tsai, Wu-Hsien Kuo*, **Chih-Yang Huang***, Chung Yen Lu* Proliferative effects of chishao on injured peripheral neurons, *AJCM* 2010, in press (co-correspondence Author)
8. Wei-Hung Hsu* Tsung-Jung Ho*, **Chih-Yang Huang***, Hsu-Chueh Ho, Yi-Ling Liu, Hsu-Jan Liu Ning-Sheng Lai, and Jung-Geng. Acupoint herbal patch for allergic rhinitis: a randomised controlled trial, *AJCM* 2010, in press (Co-first Author)
9. Wei-Wen Kuo, Tsai-Ching Hsu, Mei-Haung Chain, Chao-Hung Lai, Wen-Hong Wang, Fuu-Jen Tsai, Chang-Hai Tsai, Chieh-His Wu*, **Chih-Yang Huang***, Bor-Show Tzang* Attenuated the Cardiac Mitochondrial-dependent Apoptotic effects by Li-Fu Formula in hamsters fed with a hypercholesterol diet, *ECAM* 2010, in press (co-correspondence Author)

10. Tsai-Ching Hsu, Joung-Liang Lan, Shao-Hsuan Kao, Yin-Chang Liu[#], **Chih-Yang Huang[#]**, Bor-Show Tzang[#] Identification of an Autoantibody against Proliferating Cell Nuclear Antigen from a Patient with Systemic Lupus Erythematosus, *CJP* **2010, in press (co-correspondence Author)**
11. Sheen-Yie Fang, Diahn-Warng Perng, J. Yu-Yun Lee, Ding-Yu Lin*, **Chih-Yang Huang*** A Open-Label, Multicentre Study of Levocetirizine for the Treatment of Allergic Rhinitis and Urticaria in Taiwanese Patients, *CJP* **2010, in press (Correspondence Author)**
12. I-Shiung Cheng, Su-Fen Liao, Kai-Li Liu, Hsin-Yi Liu, Ching-Lin Wu, **Chih-Yang Huang**, Mallikarjuna K, Richard William Smith, Chia-Hua Ku. Effect of Dietary Glycemic Index on Substrate Transporter Gene Expression in Human Skeletal Muscle Following Exercise, *EJCN* **2010, in press**
13. Chien-Chung Lin, Min-Ting Tsai, Wei-Wen Su, Li-Ming Chen MD, Tung-Yuan Lai, Jin-Ming Hwang, Hsi-Hsien Hsu, Shiow-Kang Yen*, **Chih-Yang Huang***, and Jer-Yuh Liu* Protein kinase C alpha location and the expression of phospho-MEK and MDR1 in hepatitis virus-related hepatocellular carcinoma biopsies, *CJP* **2010, in pres (co-correspondence Author)**
14. Eric Y.C. LAI, Yi-jiun WENG, Wei-wen KUO, Li-mien CHEN, Yun-ting CHUNG, Yueh-min LIN, Fuu-jen TSAI, Chun-hsin LEE, Tung-yuan LAI*, **Chih-Yang HUANG***, Yu-lan YEH* Taohe ChengQi Tang ameliorated the acute liver injury induced by carbontetrachloride (CCl4) in rats, *Journal of Chinese Integrative Medicine (JCIM)* **2010, in press (co-correspondence Author)**
15. Chi-Yuan Chen, Shih-Hwa Chiou, **Chih-Yang Huang**, Chia-Ing Jan, Su-Chun Lin, Ming-Long Tsai, and Jeng-Fan Lo. The establishment of a highly malignant human head and neck squamous cell carcinoma cell line using a xenograft model, *JBS* **2010, in press**
16. Chi-Yuan Chen, Shih-Hwa Chiou, **Chih-Yang Huang**, Chia-Ing Jan, Su-Chun Lin, Wen-Yuan Hu, Shiu-Huey Chou, Chung-Ji Liu, Jeng-Fan Lo. Tid1 Attenuates EGFR/PI3K/AKT Signaling and Reduces Head and Neck Squamous Cell Carcinoma Malignancy, *J. of Pathology* **2010, in press (IF=6.3)**
17. Hwei-Chung Wang, Chiu-Shong Liu, Chung-Hsing Wang, Chia-Ling Chang, Chia-Wen Tsai, Rou-Fen Wang, Chao-Hsiang Chang, Yueh-Sheng Chen, Chang-Fang Chiu*, Da-Tian Bau*, and **Chih-Yang Huang*** Significant Association of XPD Asp312Asn Polymorphism with Breast Cancer in Taiwanese Patients. *CJP* **2010, in press (Correspondence Author)**

18. Chung-Jung Liu, Jeng-Fan Lo, Chia-Hua Kuo, Chun-Hsien Chu, Li-Ming Chen, Fuu-Jen Tsai, Chang-Hai Tsai, Bor-Show Tzang*, Wei-Wen Kuo* and **Chih-Yang Huang***. Akt Mediates 17 β -Estradiol and/or Estrogen Receptor Inhibition of LPS-Induced Tumor Necrosis Factor- α Expression and Myocardial Cell Apoptosis by Suppressing the JNK1/2 and NF κ B

Pathway. **2009**, *J. of Cellular and Molecular Medicine*, in press Impact Factor:**6.82**]
(**3x5x6.82=+102**) (Correspondence Author)

19. Chun-Hsien Chu, Bor-Show Tzang, Li-Mien Chen, Chung-Jung Liu, Fuu-Jen Tsai, Chang-Hai Tsai, James A. Lin, Da-Tian Bau*, Chun-Hsu Yao*, **Chih-Yang Huang***. Specific Activated IGF2R Induces Mitochondria-dependent Apoptosis through Gαq and Downstream Calcineurin Signaling in Myocardial Cells. *Endocrinology*. **2009 in press**. [Epub ahead of print] SCI SCI Ranking:15%(Endocrinology); Impact Factor:5.32] (**3x5.3x5=+80**) (Correspondence Author)
20. Chen KY, Liao WJ, Kuo SM, Tsai FJ, Chen YS, **Huang CY***, Yao CH. Asymmetric chitosan membrane containing collagen I nanospheres for skin tissue engineering. *Biomacromolecules*. **2009 Jun 8;10(6):1642-9**. (co-correspondence Author)
21. Ray-Jade Chen, Wei-Wen Kuo, Mu-Hsin Chang, Chao-Hung Lai, Jin-Ming Hwang, Wu-Hsien Kuo, Fuu-Jen Tsai, Chang-Hai Tsai, Li-Mien Chen*, **Chih-Yang Huang***, Chun-Hsien Chu* Leu27IGF-II plays opposite role with IGF-I to induce H9c2 cardiomyoblast cell apoptosis via Gαq signaling. *J Mol Endocrinol*. **2009 in press**. [Epub ahead of print] SCI SCI Ranking:35%(Endocrinology); Impact Factor:2.92] (**3x4x5=+60**) (Co-correspondence Author)
22. **Chih-Yang Huang**, Li-Chiu Yang, Kuan-Yu Liu, Pao-Hsin Liao Liao, Janet Ing-Yuh Chou, Ming-Yung Chou, Wei-Wen Lin and Jaw-Ji Yang RhoGDIβ-induced hypertrophic growth in H9c2 cells is negatively regulated by ZAK. *Journal of Biomedical Science* **2009 in press**. SCI Impact Factor:2.02 (First Author) (**3x5x3.5(NSC 加重計分)=+52.5**)
23. **Chih-Yang Huang**, Li-Chiu Yang, Kuan-Yu Liu, Pao-Hsin Liao, Janet Ing-Yuh Chou, Ming-Yung Chou, Wei-Wen Lin, and Jaw-Ji Yang. ZAK negatively regulates RhoGDIβ-induced Rac1-mediated hypertrophic growth and cell migration. *Journal of Biomedical Science* **2009 in press**. SCI Impact Factor:2.02 (First Author) (**3x5x3.5(NSC)=+52.5**)
24. Yi-Chang Cheng, Li-Mien Chen, Mu-Hsin Chang, Wei-Kung, Chen, Fuu-Jen Tsai, Chang-Hai Tsai, Yi-Chang Cheng, Wei-Wen Kuo* and **Chih-Yang Huang***, Chung-Jung Liu* Lipopolysaccharide-Upregulated uPA, MMP-2 and MMP-9 via ERK1/2 signaling in H9c2 Cardiomyoblast Cells. *Mol Cell Biochem*. **2009 in press**. [**60~80%,2005,SCI,ImpactFactor:1.681**] *(co-Correspondence Author) (**3x5x2= +30**)
25. Yi-Chang Cheng, Wei-Wen Kuo, Hsi-Chin Wu, Tung-Yuan Lai, Jin-Ming Hwang, Wen-Hung Wang, Fuu-Jen Tsai, Jaw-Ji Yang*, **Chih-Yang Huang***, Chun-Hsien Chu* ZAK induces MMP-2 activity via JNK/ p38 signals and reduces MMP-9 activity by increasing TIMP-1/2 expression in H9c2 cardiomyoblast cells. *Mol Cell Biochem*.**2009 in press**. **60~80%, SCI,ImpactFactor:1.681** *(co-Correspondence Author) (**3x5x2= +30**)
26. Kun-Shan Huang, Jaung-Geng Lin, Han-Chung Lee, Fuu-Jen Tsai, Da-Tian Bau, **Chih-Yang**

Huang*, Chun-Hsu Yao†, Yueh-Sheng Chen†*Paeoniae alba Radix* promotes peripheral nerve regeneration. *Evidence Based Complementary and Alternative Medicine* 2009 (co-correspondence Author)

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28. Yung-Ming Chang, Ying-Ting Shih, Yueh-Sheng Chen, Chien-Liang Liu, Wen-Kuei Fang, Chang-Hai Tsai, Fuu-Jen Tsai, Wei-Wen Kuo*, Tung-Yuan Lai*, **Chih-Yang Huang*** Earthworm (*Pheretima aspergilum*) extracts to induce the Schwann cell migration activate PAs and MMP2/9 mediated through ERK1/2 and p38 signalings. *ECAM Journal*, 2009 in press. **SCI, 17%, Impact Factor:2.54** *(Correspondence Author) (3x5x5= +75)
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31. Wei-Wen Kuo, Min-Jin Lu, Cheng-Tzu Liu, Shih-Ping Wu, Chia-Hua Kuo, Fuu-Jen Tsai, Chang-Hai Tsai, Hung-Chien Wu*, **Chih-Yang Huang***, Shin-Da Lee*. Effects of insulin replacement on cardiac apoptotic and survival pathways in streptozotocin-induced diabetic rats *Cell Biochemistry and Function* 2009 (co-correspondence Author)
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