

1. Name: Chih-Yang Huang, Ph.D

2. Present position:

- Distinguished Professor and Director of the Office of Research and Development-Asia University
- Consultant-Department of Medical Research, China Medical University Hospital
- Joint-Laboratory, Organizer-College of Medicine and College of Chinese Medicine, China Medical University
- Adjunct Professor-Department of Basic Medicine/Chinese Medicine/Clinical Medicine, China Medical University



3. Research Interests: Cardiac Molecular Biochemistry and Cancer Molecular Medicine

4. Laboratory: Molecular Medicine Laboratory

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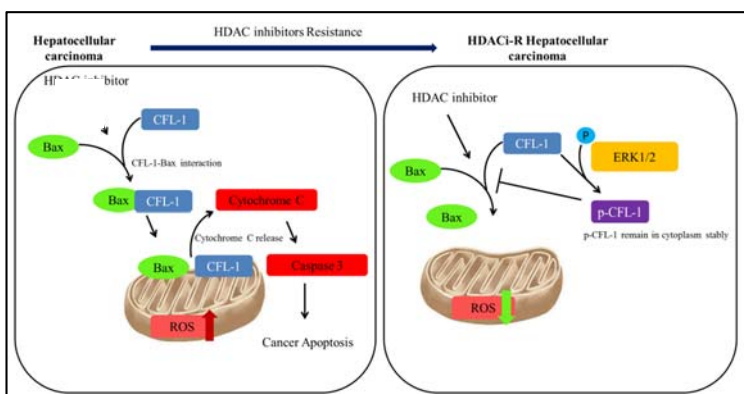
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6. E-mail : cyhuang@mail.cmu.edu.tw or cyhuang@asia.edu.tw

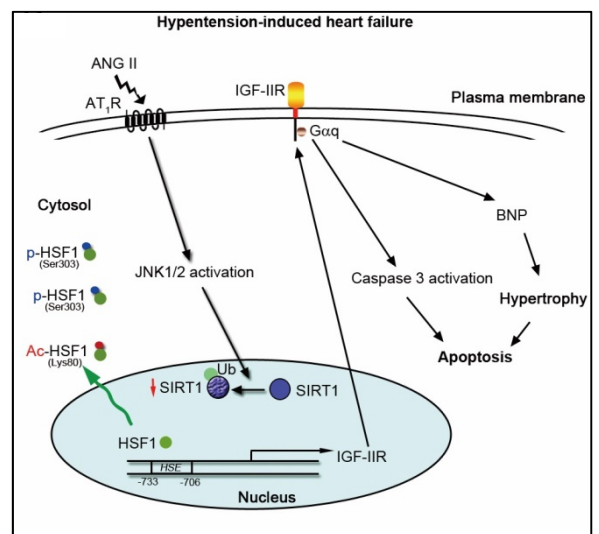
7. Awards & Distinctions:

- Research Talent Laurel Project, Principal Investigator – China Medical University Hospital
- Deputy Editor of China Medical University's BioMedicine/Editor of CJP, SCI, and Journal of Adaptive Medicine
- Review Committee Member of the MoST Biology Thesis Research Projects and Member of the University Testing/Review Board
- Review Committee Member of the MoHW Food and Drug Administration (Healthy Food Product Review Team)
- The 23rd Director of the Chinese Physiological Society/ the 1st and 2nd Director of Society of Adaptive Medicine/ Supervisor of Taiwan Society of Endocrinology and Metabolism

近期發現 (Recent findings):



Oncogene (2016) **In press**



Cell Death and Differentiation (2014) **21**, 1262–1274

8. Education/Training:

- National Yang-Ming University, School of Biomedical Science and Engineering, Master of Cardiac Endocrinology (1987-1989)
- University of Illinois at Urbana-Champaign, College of Medicine, Master of Molecular Medicine in Breast Cancer (1992-1995)
- University of Illinois at Urbana-Champaign, College of Medicine, Doctorate of Molecular Medicine in Cardiology (1995-1998)
- University of Illinois at Urbana-Champaign, College of Medicine, Post-Doctorate Research in Molecular Medicine in Cardiology (1998-1999)

9. Experience:

- National Yang-Ming University – Part-time Assistant Professor in Physiology (1987-1989)
- The 39th Compulsory Service Reserve Officer, Taiwan (Medical Officer and Station Director) (1989-1991)
- University of Illinois at Urbana-Champaign, Assistant and Teaching Assistant in Molecular Physiology (1992-1996&1996-1998)
- National Chung Cheng University, Molecular Biology, Adjunct Professor (2000-2008)
- Chung Shan Medical University, Biochemical and Biotechnology, Assistant Professor (1999.8-2002.7)
- Chung Shan Medical University, Biochemical and Biotechnology, Associate Professor (2002.8-2005.10)
- Chung Shan Medical University, Biochemical and Biotechnology, Professor (2005.10-2006.7)
- Chung Shan Medical University, Center of Innovation, Director (2005.8-2006.7)
- China Medical University, Research Institute of Basic Medicine, Director (2006.11-2013.1) and Deputy Director of Research (2009.8-2013.1)
- Dean of the International College (2015.8-2016.1) – Asia University
- Hungkuang University, Research Institute of Nutritional Science, Adjunct Professor
- Deputy Editor of CJP, SCI, and China Medical University Middle Taiwan Medical Journal (2009.8-2013.1)

10. Laboratory Members:

- **Assistant Researcher** : 陳冬生博士(中國附醫), 黃智洋博士(中國附醫), 丁韋仁博士 (清遠醫院轉化醫學中心主任)
- **Postdoctoral Fellow**: Dr.Marthandam Asokan Shibu, Dr. Rathina Baski ,Dr.Tamilselvi Shanmugam, Dr.Ramachandran Vinayagam, Dr. 廖柏翔, 陳佳宜
- **International Students**: Stanley DUMEUS (Haiti), Denny Satria (Indonesia), Sudhir Pandey (India, Ph.D student), Kannathasan.T (India, Ph.D students), Tran Thanh Viet (Vietnam), Le Thi Ly (Vietnam), Nguyen Hoang Anh Kha (Vietnam, Master student), 錢婧沅 (Malaysia, Master student), 黃襄川(Malaysia, Master student), Dr. Ehab Abd (Assistant Professor, Mansoura University Egypt)
- **Research Assistant** : 賴明秀, 廖慧珍, 張欣農, 張育郡, 曾嚴審, 陳俊璋, 林宸宇, 林佑臻, 張書豪, 林怡廷, 施惠儂, 李佳純, 連益歆, 王麒鳴

- **Domestic Ph.D Students**：楊堯智，張家築，蘇易辰，邱致豪，洪孟瑜，馮志中，林源泉，陳雅芳，傅建堯，劉益昇，陳仲豪，江瑞庭，林親怡，何至栩，莊鶴麟
- **Master Students**：官家圳，王添德，何文昆，張三豐，林立勳，黃祥晏，許淵聖，李碩宸
- **Intern Students**：黃瀚澤，張軒輔，游 芃，曾健鈞



Responsibilities:

To promote and increase the University's overall research energy and related tasks

To coordinate and consolidate the University's resources in research

To comprehensive monitor the operations at the Office of Research and Development

11. Selected recent publications:

More than 340 papers published in international SCI periodicals

- Liao PH, Hsu HH, Chen TS, Chen MC, Day CH, Tu CC, Lin YM, Tsai FJ, Kuo WW, **Chih-Yang Huang**. Phosphorylation of cofilin-1 by ERK confers HDAC inhibitor resistance in hepatocellular carcinoma cells via decreased ROS-mediated mitochondria injury. *Oncogene* 2016. (In press) (IF=7.95, Correspondence Author)
- Ting WJ, Yang JJ, Kuo CH, Xiao ZJ, Lu XZ, Yeh YL, Day CH, Wen SY, Viswanadha VP, Jiang CH, Kuo WW, **Chih-Yang Huang**. Environmental tobacco smoke increases autophagic effects but decreases longevity associated with Sirt-1 protein expression in young C57BL mice hearts. *Oncotarget*. 2016 May 4. doi: 10.18632/oncotarget.9176. (IF=5.35, Correspondence Author)
- Chih-Yang Huang, Wei-Wen Kuo, Jeng-Fan Lo, Tsung-Jung Ho, Pei-ying Pai, Shu-Fen Chiang, Pei-Yu Chen, Fu-Jen Tsai, Chang-Hai Tsai, **Chih-Yang Huang** Doxorubicin attenuates CHIP-guarded HSF1 nuclear translocation and protein stability to trigger IGF-IIR-dependent cardiomyocyte death. *Cell Death and Disorders* 2016. (In press) (IF=5.15, Correspondence Author)
- Lee CJ, Hsu LS, Yue CH, Lin H, Chiu YW, Lin YY, **Chih-Yang Huang**, Hung MC, Liu JY. MZF-1/Elk-1 interaction domain as therapeutic target for protein kinase α -based triple-negative breast cancer cells. *Oncotarget*. 2016 Aug 17. doi: 10.18632/oncotarget.11337. (IF=5.35, Correspondence Author)
- Po-Hsiang Liao, Dennis Jine-Yuan Hsieh, Chia-Hua Kuo, Cecilia-Hsuan Day, Chia-Yao Shen, Chao-Hung Lai, Ray-Jade Chen, V. Vijaya Padma, Wei-Wen Kuo, **Chih-Yang Huang**. Moderate exercise training attenuates aging-induced cardiac inflammation, hypertrophy and fibrosis injuries of rat hearts. *Oncotarget*. 2015 Nov 3;6(34):35383-94. doi: 10.18632/oncotarget.6168. (IF=5.35, Correspondence Author)
- Lin KH, Kuo WW, Jiang AZ, Pai P, Lin JY, Chen WK, Day CH, Shen CY, Padma VV, **Chih-Yang Huang**. Tetramethylpyrazine Ameliorated Hypoxia-induced Myocardial Cell Apoptosis via HIF-1 α /JNK/p38 and IGFBP3/BNIP3 Inhibition to upregulate PI3K/Akt. *Cellular Physiology and Biochemistry* 2015;36(1):334-44. (IF=4.95, Correspondence Author)
- Tsai CY, Wen SY, Shibu MA, Yang YC, Peng H, Wang B, Wei YM, Chang HY, Lee CY, **Chih-Yang Huang**, Kuo WW. Diallyl trisulfide protects against high glucose-induced cardiac apoptosis by stimulating the production of Cystathionine gamma-lyase-derived hydrogen sulfide. *International Journal of Cardiology* 2015 May 20;195:300-310. (IF=4.65, Correspondence Author)
- Hsieh DJ, Huang CY, Pai P, Wang SG, Tsai YL, Li CN, Kuo WW, **Chih-Yang Huang**. Prolactin protects cardiomyocytes against intermittent hypoxia-induced cell damage by the modulation of signaling pathways related to cardiac hypertrophy and proliferation. *International Journal of Cardiology* 2015 Feb 15;181:255-66. (IF=4.65, Correspondence Author)
- Huang CY, Kuo WW, Yeh YL, Ho TJ, Lin JY, Lin DY, Chu CH, Tsai FJ, Tsai CH, **Chih-Yang Huang**. ANG II promotes IGF-IIR expression and cardiomyocyte apoptosis by inhibiting HSF1 via JNK activation and SIRT1 degradation. *Cell Death and Differentiation* 2014 21(8):1262-74. (IF=8.30, Correspondence Author)
- Chen MC, Lee NH, Ho TJ, Kuo CH, Kuo WW, Lin YM, Tsai FJ, Hsu HH, Tsai CH, **Chih-**

Yang Huang. Resistance to Irinotecan (CPT-11) activates Epidermal Growth Factor Receptor/Nuclear Factor Kappa B and Increases Cellular Metastasis and Autophagy in LoVo Colon Cancer Cells. Cancer Letters **2014** 349(1):51-60. (IF=6.15, Correspondence Author)