
BIOGRAPHICAL SKETCH

NAME in English Pao-Hsien Chu	POSITION TITLE Associate Professor, School of Medicine, Chung Gung University		
NAME in Chinese 褚柏顯			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Taipei Medical University	M.D.	06/89	Medicine

A. Positions and Honors

Positions and Employment

1991-1994	Residency in Internal Medicine, Chang Gung Memorial Hospital, Taiwan
1994-1996	Fellowship in Cardiology, Chang Gung Memorial Hospital, Taiwan
1996-	Staff Cardiology, Chang Gung Memorial Hospital, Taiwan
1997-2002	Lecturer
2002-2006	Clinical Assistant Professor, Chang Gung University
2003-2006	Academic Assistant Professor, Chang Gung University
2006-	Associate Professor, Chang Gung University

Other Experience and Professional Memberships

1989-	Board Member of the ROC Society of Medicine
1995-	Board Member of the ROC Society of Internal Medicine
1994-	Board Member of the ROC Society of Cardiology,
1998-	Board Member of the Society of Ultrasound in Medicine on the ROC.
1996-	Board Member of the Society of Emergency and Critical Care Medicine
1996	Board Member of the Formosa Medical Association
2000-	Board member of the Basic Cardiovascular Scientific Council of American Heart Association (AHA), USA
2001-	Board member of the Critical Care Medicine, Taiwan
2001-	Member of the Society of Chinese Bioscientists in America.
2001-	Board member of the American College of Chest Physicians
2002-	Board member of the American College of Cardiology.

Honors

1990	The Best Internship, Mackey Memorial Hospital, Taipei, Taiwan.
1991	The Award of Outstanding Navy Doctor of Taiwan
1994	The Best Teaching Residence Award. Chang Gung Memorial Hospital, Taipei,
2000	Fellow of American College of Chest Physicians (F.C.C.P.).
2002	Fellow of American College of Cardiology (F.A.C.C.).
2005	Fellow of European Society of Cardiology (F.E.S.C.).
2009	Post award of 39th Annual Conventional and Scientific Session of the Taiwan Society of Cardiology.

B. Selected Peer-reviewed Publications (2005-2010) (in chronological order)

1. **Chu PH***, Jung SM, Yeh TS, HC Lin, Chu JJ. MUC1, MUC2 and MUC5AC expressions in cardiac myxoma. Virchows Archiv 2005;446:52-55 (doi: 10.1007/s00428-004-1147-5).
2. **Chu PH***, Jung SM, Lin HC, Yeh CH, Wu HH, Shiu TF, Huang SL, Tseng NM, Chu JJ, Lin PJ, Lai CH. Caspase-3-dependent apoptosis in cardiac myxoma: not associated with human papillomavirus or Epstein-Barr virus. Modern Path 2005;18:822-7 (doi:10.1038/modpathol.3800364).
3. **Chu PH***, Hsieh HC, Lim KE, Chu JJ. Mycotic aneurysm of the superior mesentery artery in a young woman. Int J Clin Pract 2005;59:614-616 (doi:10.1111/j.1742-1241.2005.00526.x).
4. Ho WJ, **Chu PH***, Cheng NJ, Hsu TS, Lee YS. Exercise-induced ischemia complicated by paroxysmal complete atrioventricular block. Int J Clin Pract 2005;59(S147):19-22 (doi: 10.1111/j.1742-1241.2004.00225.x).
5. Chang YS, **Chu PH***, Jung SM, Lim KE, Chu JJ, Hsueh C, Lee YS. An unusual cardiac papillary fibroelastoma in the right outflow tract. Cardiovascular Path 2005;14:104-106 (doi: 10.1016/j.carpath.2005.01.003).
6. Ng CJ, Wang FL, Yung KJ, Hsu CY, Yan DC, Chen JC, **Chu PH***. Disease-related differences in young and very young adults with acute myocardial infarction. J Taiwan Emerg Med 2005;7:1-11.
7. Xu XD, Yang D, Ding JH, Wang W, **Chu PH**, Dalton ND, Wang HY, Bermingham JR Jr, Ye Z, Liu F, Rosenfeld MG, Manley JL, Ross J Jr, Chen J, Xiao RP, Cheng H, Fu XD. ASF/SF2 regulated CaMKIId alternative splicing temporally reprograms excitation-contraction coupling in cardiac muscle. Cell 2005;120:59-72 (doi:10.1016/j.cell.2004.11.036).
8. Lim KE, Chan CY, **Chu PH**, Hsu YY, Hsu WC. Right ventricular dysfunction secondary to acute massive pulmonary embolism detected by helical computer tomographic pulmonary angiography. Clin Imaging 2005;29:16-21.
9. Lin HC, **Chu PH**, Kuo YH, Shen SC. Clinical experience in managing *Fusarium solani* keratitis. Int J Clin Pract 2005;59:549-554 (doi: 10.1111/j. 1368-5031. 2005.00399.x).
10. Wang CL, Lin KH, Luqman N, Ho WJ, Hsu LA, **Chu PH**, Kuo CT. Refinement on single-beat determination of left ventricular systolic function in patients with atrial fibrillation. J Am Soc Echocardiog 2005;18:913-8.
11. Lin YS, **Chu PH***, Kuo MC, Jung SM, Lim KE, Kuo CT, Shih LY. Use of a B-type natriuretic peptide in evaluating the treatment response of a relapsed lymphoma with cardiac involvement. Int J Hematol 2006;83:44-46. (SCI: IF = 1.168; Hematology)
12. Jung SM, Lin HC, **Chu PH***, Wu HH, Shiu TF, Hung SL, Lai CH. Expression of cell cycle-regulatory proteins, MIB-1, p16, p53 and p63, in squamous cell carcinoma of conjunctiva not associated with human papillomavirus infection. Virchows Arch 2006;448:301-305. (SCI: IF = 2.305; Pathology)
13. Jung SM, **Chu PH***, Shiu TF, Wu HH, Kuo TT, Chu JJ, Lin PJ. Expression of OCT4 in the primary germ cell tumors and thymoma in the mediastinum. Appl Immunohisto M M 2006;14:273-275. (SCI: IF = 1.487; Pathology)
14. Lai CF, Halstead LR, McLoughlin P, Schfer BW, **Chu PH**, Chen J, Otey CA, Cao X, Cheng SL. Four and half Lim protein 2 (FHL2) stimulates osteoblast differentiation. J Bone Miner Res 2006;21:17-28. (SCI: IF = 6.043; Endocrine & Metabolism)
15. Ng CJ, Chen JC, Wang LJ, Chui TF, **Chu PH**, Lee WH, Wong YC. Diagnostic values of direct signs of traumatic aortic injury revealed by helical CT: Their correlation with mortality and early rupture. J Emerg Med 2006;30:277-282. (SCI: IF = 1.265; Emergent Medicine)

16. Hsiao JF, Hsu LA, Chang CJ, Wang CL, Ho WJ, **Chu PH**, Ko YS, Kuo CT. Late migration of a Sideris occluder device for closure of atrial septal defect into the left atrium with mitral valve obstruction. Am J Cardiol 2007;99:1479. (SCI: IF = 3.575; Cardiology & Cardiovascular Medicine)
17. Lin YS, Jung SM, Tsai JC, Yeh CN, Shiu TF, Wu JJ, Lin PJ, **Chu PH***. Hepatoma with cardiac metastasis: an advanced cancer requiring advanced treatment. World J of Gastroenterology 2007;13:3513-3516. (SCI: IF = 2.092; Gastroenterology & Hepatology)
18. Chuang WY, Yeh CJ, **Chu PH**, Liao CC, Wu CT, Chuang CC, Pai PC, Tseng CK, Jung SM, Wei KC, Chang CN. Expression of thyroid transcription factor-1 in brain metastases: a useful indicator of pulmonary origin. J of Clin Neurosci 2008;15:643-646. (SCI: IF = 1.17; Clinical Neurology)
19. Sheikh F, Raskin A, **Chu PH**, Lange S, Domenighetti AA, Zheng M, Liang X, Zhang T, Yajima T, Gu Y, Dalton ND, Mahata SK, Dorn GW, Heller-Brown J, Peterson KL, Omens JH, McCulloch AD, Chen J. An FHL1-containing complex within the cardiomyocyte sarcomere mediates hypertrophic biomechanical stress responses in mice. J Clin Invest 2008 118:3870-80. (SCI: IF = 15.378; Medical Research and Experiment)
20. Hsiao JF, Lee MH, Ho WJ, Chu JJ, **Chu PH***. Neisseria elongata endocarditis associated with brain embolism and abscess. J Med Microbiol 2008;57:376-81. (SCI: IF = 2.272; Microbiology)
21. Hsiao JF, Ning HC, Cu PW, Lin WY, **Chu PH***. Clinical role of recurrently elevated macro kinase type 1. J Clin Lab Anal 2008;22:186. (SCI: IF = 0.855; Medical Laboratory Technology)
22. Lin YS, Tsai FC, **Chu PH***. Massive Left Atrial and Interatrial septal calcification after mitral valve replacement. Chinese Med J-Peking 2008;121:1497-1499. (SCI: IF = 0.952; Medicine, General Internal Medicine)
23. Jeng WJ, Kuo MC, Shih LY, **Chu PH***. Pulmonary embolism in a patient with multiple myeloma receiving thalidomide-dexamethasone therapy. Int J of Hematology 2008;87:542. (SCI: IF = 1.168; Hematology)
24. **Chu PH***, Jung SM, Ng CJ, Yeh CH, Wu HH, Shiu TF, She HC, Tseng NM. Caspase-3-dependent apoptosis in mural Thrombi leukocytes: not related to Epstein-Barr Virus. Acta Path Micro Immu Scan (APMIS) 2008;116:995-999. (SCI: IF = 1.745; Pathology)
25. **Chu PH***, Yeh LK, Lin HC, Jung SM, Ma MHK, Wang IJ, Wu HH, Shiu TF, Chen J. Deletion of the FHL2 Gene Attenuates Neovascularization after Corneal Injury. Invest Ophthalmol Vis Sci 2008;49:5314-5318. (SCI: IF = 3.431; Ophthalmology)
26. Lin JL, Lin-Tan DT, **Chu PH**, Chen YC, Luang YL, Ho TC, Lin CY. Cadmium excretion predicting hospital mortality and illness severity of critically ill medical patients. Crit Care Med 2009;27:957-962. (SCI: IF = 6.594; Critical Care Medicine)
27. Chen HCJ, Chen XL, Lai JY, Chen CC, Tsai YJ, Kuo MT, **Chu PH**, Sun CC, Chen JK, Ma DHK. Persistence of transplanted oral mucosal epithelial cells in human cornea. Invest Ophthalmol Vis Sci. 2009;50(10):4660-8. (SCI: IF = 3.431; Ophthalmology)
28. Liu YY, Yeh CN, Lee HL, **Chu PH**, Jan YY, Chen MF. Laparoscopic cholecystectomy for gallbladder disease in patients with severe cardiovascular disease. World J Surg 2009;33:1720-6. (SCI: IF = 2.696; Surgery).
29. Lin MS, Lin CP, Chu JJ, Liu YC, **Chu PH***. Rupture of right sinus of Valsalva with alternating shunting into right atrium and right ventricle. Acta Cardiol Sin 2009;25:52-55. (SCI: IF = 0.253).
30. Lin YS, Jung SM, Yeh CN, Chen YC, Tsai FC, Shiu TF, Wu HH, Lin PJ, **Chu PH***. MUC1, MUC2 and MUC5AC expression in hepatocellular carcinoma with cardiac metastasis. Mol Med Rep 2009;2:291-294 (SCI: IF = 0.22).

31. Tang CH, Wu CS, Lee TH, Hung ST, Yang CY, Lee CH, **Chu PH***. Preeclampsia-eclampsia and the risk of stroke among peripartum in Taiwan. Stroke 2009;40:1162-1168 (SCI: IF = 7.041; Clinical Neurology).
32. Lin MS, Hung YS, Wu HH, Kuo MC, Shiu TF, Chuang CK, Shih LY, **Chu PH***. An unusual presentation of angiomyolipoma with erythrocytosis in polycythemia vera: a case report. J of Med Case Rep 2009, **3**:90
33. Jang SJ, Wu YC, Chuang WY, Chung CM, Luo SF, **Chu PH***. Impending cardiac tamponade as the initial presentation of thymoma in a systemic lupus erythematosus patient. Lupus 2010;19:337-40 (SCI: IF = 2.586; Rheumatology).
34. Zhang Y, Call MK, Yeh LK, Liu HS, Kochel T, Wang IJ, **Chu PH**, Taketo MM, Jester JV, Kao WWY, Liu Liu, CY,. Aberrant expression of & [beta]-catenin gain-of-function mutant induces hyperplastic transformation in the mouse cornea. J of Cell Sci 2010;123(Pt 8):1285-94 (SCI: IF = 6.144).
35. Shen SC, Ho WJ, Wu SC, Yu KH, Lin HC, Lin YS, Tsay PK, **Chu PH***. Glaucomatocyclitic crisis is associated with peripheral vascular endothelial dysfunction- preliminary study. Invest Ophthl Vis Sci 2010;51:272-276 (SCI: IF = 3.431; Ophthalmology).
36. Shyu VBH, Wang PN, **Chu PH*** Low incidence of venous thromboembolism in Asian myeloma patients treated with thalidomide plus dexamethasone. The Asia-Pacific Journal of Oncology & Hematology 2010;2(1):41-47.
37. Yeh JT, Yeh LK, Jung SM, Chang TJ, Wu HH, Shiu TF, Liu CY, Kao WWY*, **Chu PH*** Impaired Skin Wound Healing in Lumican-null Mice. Brit J Derm 2010 (in press) (SCI: IF 4.26). (doi: j.1365-2133.2010.10008.x)
38. **Chu PH***, Yeh HI, Wu HH, Hong RC, Shiu TF, Yang CM. Deletion of the FHL2 gene attenuates the formation of atherosclerotic lesions after a cholesterol-enriched diet. Life Science 2010;86:365–371 (SCI: IF = 2.56).
39. Liu CC, Jung SM, Orlandi A, Yeh TS, Lin YS, Shiu TF, Wu HH, Tzai FC, Chu JJ, Lin PJ, **Chu PH***. The Fas-mediated apoptotic pathway in cardiac myxoma. Int J Surg Path 2010 (In press, SCI: IF = 0.912).
40. Lin YS, Tang CH, Yang CYC, Wu LS, Hung ST, Hwa HL, **Chu PH***. Peclampsia-eclampsia increase major cardiovascular events among peripartum women in Taiwan: a population-based study. Am J Card 2010 (In pressed, SCI: IF = 3.575).

C. Research Support

1. 1/1/2000-12/31/2004, Insight into Z-disc of Dilated Cardiomyopathy by Reconstruction of 3-Dimensional Transmission Electron Microscopy of Cypher-null Mice. National Center for Microscopy and Imaging Research (NCMIR), USA. USD 100,000 (PI: **Chu PH**)
2. 4/1/2002-12/31/2002, The novel role of FHL1 protein in heart and skeletal muscle, NHRI Grant, CDG NHRI-EX91-9108SC (1927K) (PI: **Chu PH**).
3. 1/1/2003-12/31/2003, The novel role of FHL1 protein in heart and skeletal muscle, NHRI Grant, CDG NHRI-EX92-9108SC (1167K) (PI: **Chu PH**).
4. 1/1/2004-12/31/2004, The novel role of FHL1 protein in heart and skeletal muscle, NHRI Grant, CDG NHRI-EX93-9108SC (1467K) (PI: **Chu PH**).
5. 1/1/2005-12/31/2005, The novel role of FHL1 protein in heart and skeletal muscle, NHRI Grant, CDG NHRI-EX94-9108SC (PI: **Chu PH**).
6. 2002/6-2004/6, The role of SC35 protein in heart functions. American Heart Association, Grant (PI: Fu XD).
7. 2003/6 - 2005/5, The novel role of FHL2 protein in heart and brain, CMRPG32057 (2468K) (PI: **Chu PH**).

8. 2003/7 - 2004/6, Implementation of electronic educational facility for medical training in the institutional intranet system. (PI: Chang TJ A101494212; Co-PI: **Chu PH**)
9. 2003/1/1-2004/12/31 Evaluating the cardiac function by echocardiography. SMRPG2013. (300K) (PI: **Chu PH**).
10. 2004/8/1-2005/7/31 The role of hepsin, a cell membrane-associated serine protease, in obstructive jaundice, NSC (PI: Chen MF, Co PI: **Chu PH**).
11. 2004/8/1-2005/12/31; The Roles of the Mucin Genes and Apoptosis in the Cardiac Myxomas. CMRPG (350K) (PI: Jung SM; Co PI: **Chu PH**).
12. 2005/8/1-2006/7/31 The role of FHL2 in cardiovascular system. NSC 94-2314-B-182-071 (573K) (PI: **Chu PH**).
13. 2005/8/1-2006/7/31 Study the role of FHL2 in prostate glands and prostate cancers NSC 94-2314-B-182A-157 (930K) (PI: Chuang K, Co PI: **Chu PH**).
14. 2005/8/1-2006/7/31 The role of serine protease in murine liver ischemia-reperfusion injury. NSC (PI: Yeh TS, Co PI: **Chu PH**).
15. 2005/8/1-2006/7/31 Decreased hepatocellular damage in hepsin- deficiency mice with bile duct ligation- possible mechanism and clinical application. NSC 94-2314-B-182A-079 (898K), 95-2314-B-182A-013 (939K), 96-2314-B-182A-004 (953K) (PI: Chen MF, Co PI: **Chu PH**).
16. 2006/8-2007/7, The interactions between the angiogenesis and coagulopathy, 96-2314-B-182A-004 (953K) (PI: **Chu PH**).
17. 2006/8-2007/7, The role of survivin and cell cycles in cardiac myxoma. 96-2320-B-182A-010 (812K) (Co-PI: **Chu PH**).
18. 2007 The Advanced role FHL1 in the pathways of cardiac hypertrophy. NHRI IRG.
19. 2007/7-2008/6, The Role of Lumican in cardiovascular system, 96-2314-B-182-026- (550K) (PI: **Chu PH**)..
20. 2008/7-2010/6, The disarrayed cardiac structure by lumican. 97-2314-B-182-028-MY2 (550K) (PI: **Chu PH**).
21. 2007/7 – 2008/6, The novel role of cell cycle in hepatom metatstasis to the heart CMRPG32057 (2468K) (CoPI: **Chu PH**).
22. 2008/8-2009/7, Lumican in cardiovascular system. NMRPD160731, (472K) (PI: **Chu PH**).
23. 2009/8-2011/7, Lumican in the disarray aorta, NMRPD170731, (1602K) (PI: **Chu PH**).
24. 2010/8-2012/7, Lumican in aorta and pulmonary hypertension, NMRPD190471, (3030K) (PI: **Chu PH**).