



**Dr. Jianping CHEN (陳建萍)**

Associate Professor  
School of Chinese Medicine  
The University of Hong Kong

**CONTACT INFORMATION**

Address: 10 Sassoon Road, Pokfulam, Hong Kong

Tel: (852) 3917 6479

Fax: (852) 2872 5476

Email: jianpingchen@hku.hk

**ACADEMIC QUALIFICATIONS**

1996 Doctoral Degree Chengdu University of TCM

1990 Master Degree Chengdu University of TCM

1984 Bachelor Degree Chengdu University of TCM

**POSITIONS HELD**

Present Associate Professor, School of Chinese Medicine, The University of Hong Kong  
2002—2012 Assistant Professor, School of Chinese Medicine, The University of Hong Kong  
2001—2002 CM Assistant Professor, HKU School of Professional and Continuing Education, HKU  
2001—2001 Visiting Professor, Brown University, USA  
1998—2001 Associate Professor, Sun Yat-sen University, Guangzhou, China  
1996—1998 Post-Doctoral Fellow, Sun Yat-sen University, Guangzhou, China  
1990—1993 Attending physician, Chengdu University of Traditional Chinese Medicine, Chengdu, China  
1984—1987 Resident physician, Chengdu University of Traditional Chinese Medicine, Chengdu, China

**RESEARCH INTEREST**

1. Experimental research (實驗研究)

- 1) Identification and characterization of novel biomarkers relating to cancer diagnosis, prevention and therapy, especially focusing on cancer glycolysis, angiogenesis and metastasis;
- 2) Elucidation of pharmacological mechanisms of herbal medicine and seeking novel anti-cancer phytochemicals by molecular-targeted strategy;

2. Clinical research (臨床研究)

- 1) Exercise effects on Improving Body-mind Health of Chinese Women with Breast Cancer (運動促進乳癌的康復)
- 2) The effect of constitution on the onset of breast cancer (體質影響乳癌的發生與變化)

## **RESEARCH AND SCHOLARSHIP**

### **1. Publications**

#### **A. Books**

- 1) Chapters of Book: "Chinese medicine Doctor in Hong Kong" 2014 in HK.
- 2) **JP Chen** (Independent editor-in-chief) "Prescription of Chinese Medicine" (scholarly book, 545 pages (400,000 words) Publication in 2006, Commercial Press HK, ISBN978-962-07-31709). (Print in 2006; Reprint in 2009 and 2012).
- 3) **JP Chen** (Independent editor-in-chief) "Prescription of Chinese Medicine" (scholarly book, 545 pages (400,000 words) Publication in 2006, Commercial Press HK, ISBN978-962-07-31709). (Print in 2006; Reprint in 2009 and 2012) **JP Chen** (Independent editor-in-chief) "Wide Strategy of Prescription" (scholarly book, 178 pages (150,000 words) Publication in 2007, Ling LAN Press HK, ISBN 978-988-98674-6-1).
- 4) Chapters of Book: miracle at treatment- cancer by integrating western and Chinese medicine. (PP 56-57) published at HK 2008 (中西合璧愛顯奇蹟(抗癌篇宜與忌), 香港, 拓盛健康發展公司 2008。
- 5) Chapters of Book: "International Standard English Chinese Medicine Textbook Prescription" to be published at the end of 2011 by People's Health Publishing House China.
- 6) Dietary Health columnist in Gourmet magazine from 2009.6 (Bimonthly magazine)
- 7) Chapters of Book: "Sini Decoction of Chinese Medicine" by People's Health Publishing House China (2011)
- 8) Chapters of Book: "Chinese Medicine Textbook Prescription" to be published at the end of 2012 by Shanghai Scientific and Technical Publishers, China

#### **B. Papers**

- 1) Cheng C, Wang Z, Chen J\* .Targeting FASN in Breast Cancer and the Discovery of Promising Inhibitors from Natural Products Derived from Traditional Chinese Medicine, (2014), Article ID 232946, 16 pages
- 2) Gu Y, **Chen J**, Shen J\*. Herbal Medicines for Ischemic Stroke: Combating Inflammation as Therapeutic Targets. *J Neuroimmune Pharmacol*. 2014 Feb. (Published online before print) (IF 3.802/ 4.044)
- 3) Hahn SS\*, Tang Q, Zheng F, Zhao S, Wu J, **Chen J**. Repression of Intergrin-linked Kinase by Antidiabetes Drugs through Cross-talk of PPAR $\gamma$ - and AMPK $\alpha$ -dependent Signaling: Role of AP-2 $\alpha$  and Sp1. *Cell Signal*. 2014 Mar; 26 (3):639-647. (IF 4.304/ 4.060)
- 4) Hann SS\*, **Chen J**, Wang Z, Wu J, Zheng F, Zhao S. Targeting EP4 by Curcumin through cross Talks of AMP-dependent Kinase Alpha and p38 Mitogen-activated Protein Kinase Signaling: The Role of PGC-1 $\alpha$  and Sp1. *Cell Signal*. 2013 Aug; 25 (12): 2566-2574. (IF 4.304/ 4.060)
- 5) Wang Z, Wang N, Han S, Wang D, Mo S, Yu L, Huang H, Tsui K, Shen J, **Chen J**\*. Dietary Compound Isoliquiritigenin Inhibits Breast Cancer Neovascularization via VEGF/VEGFR-2 Signaling Pathway. *PLoS One*. 2013 Jul; 8 (7): e68566. (IF 3.73/ 4.244)
- 6) Chen J, Peng H, Zhang K, Xiao L, Yuan Z, **Chen J**, Wang Z, Wang J, Huang H\*. The Insufficiency Intake of Dietary Micronutrients Associated with Malnutrition-inflammation Score in Hemodialysis Population. *PLoS One*. 2013 Jun; 8 (6): e66841. (IF 3.73/ 4.244)
- 7) Wang Z, Wang D, Han S, Wang N, Mo F, Loo TY, Shen J, Huang H, **Chen J**\*. Bioactivity-guided Identification and Cell Signaling Technology to Delineate the Lactate

- Dehydrogenase a Inhibition Effects of *Spatholobus Suberectus* on Breast Cancer. *PLoS One*. 2013 Feb; 8(2): e56631. (IF 3.73/ 4.244)
- 8) Li J, Wu XL, Chen Y, Tang Z, Xu YH, Jiang JM, Gu YY, **Chen JP**, Yang DP, Wang DM\*. Antidiarrheal Properties of Different Extracts of Chinese Herbal Medicine Formula Bao-Xie-Ning. *J Integr Med*. 2013 Mar; 11 (2): 125-134.
  - 9) Liu P, Sun Y, He Y Wang Z, Wang N, Jia L, Zheng X, Loo W, Chow L, **Chen J**. Identification of risk factors for emotional disorders among Chinese women following breast cancer surgery. *Eur J Cancer*. 2013 Mar; 49 (1): S21.(IF 5.061/ 5.257)
  - 10) Wang N, Wang Z, Chow L, Loo W, **Shen J**, **Chen J\***. Dietary Compound Isoliquiritigenin Increases Breast Cancer Chemosensitivity by Limiting Cancer Stem Cells via Beta-catenin Signaling. *Eur J Cancer*. 2013 Mar; 49 (1): S20-S21.(IF 5.061/ 5.257)
  - 11) 张学文；韦玮；程悦；刘浩文；陈建萍；王冬梅. 地榆药材中总皂苷及地榆皂苷- I 的含量测定 中药新药与临床药理， 02期， pp 186-191， 2013.
  - 12) YH He, X Zheng, Cindy Sit, Wing TY Loo, ZY Wang,T Xie, B Jia, Q Ye, K Tsui, Louis WC Chow, **JP Chen\***. Using association rules mining to explore pattern of Chinese medicinal formulae (prescription) in treating and preventing breast cancer recurrence and metastasis. *Journal of Translational Medicine*. 2012, 10:S12
  - 13) He W, Wang D, Ye Z, Qian W, Tao Y, Shi X, Liu L, Chen J, Qiu L, Wan P, Jia X, Li X, Gao C, Ma X, Wen B, Chen N, Li P, Ren Z, Lan L, Li S, Zuo Y, Zhang H, Ma L, Zhang Y, Li Z, Su W, Yang Q, Chen Q, Wang X, Ye Z, **Chen JP**, Loo WT\*, Chow LW, Yip AY, Ng EL, Cheung MN, Wang Z. Application of a Nanotechnology Antimicrobial Spray to Prevent Lower Urinary Tract Infection: A Multicenter Urology Trial. *J Transl Med*. 2012 Sep; 10 Suppl 1:S14. (IF 3.459/ 3.864)
  - 14) Wang Z, Cheng Y, Wang N, Wang DM, Li YW, Han F, **Shen JG**, Yang DP, Guan XY, **Chen JP\***. Dioscin Induces Cancer Cell Apoptosis Through Elevated Oxidative Stress Mediated by Downregulation of Peroxiredoxins. *Cancer Biol Ther*. 2012 Feb; 13 (3): 138 - 147. (IF 3.287/ 3.33).
  - 15) ZY Wang, TY Loo, N Wang, Louis WC Chow, DM Wang, F Han, X Zheng, **JP Chen\***. Effect of *Sanguisorba officinalis* L on breast cancer growth and angiogenesis. *Expert Opinion on Therapeutic Targets*. 2012, Suppl 1:S79-89.
  - 16) Wang N, Wang ZY, Mo SL, **Loo TY**, Wang DM, Luo HB, Yang DP, Chen YL, **Shen JG**, **Chen JP\***. Ellagic Acid, a Phenolic Compound, Exerts Anti-angiogenesis Effects via VEGFR-2 Signaling Pathway in Breast Cancer. *Breast Cancer Res Treat*. 2012 Aug; 134 (3): 943-955. (IF 4.469/ 4.467)
  - 17) ZY Wang, TY Loo, JG Shen, N Wang, DM Wang, DP Yang, SL Mo, XY Guan, **JP Chen\***. LDH-A silencing suppresses breast cancer tumorigenicity through induction of oxidative stress mediated mitochondrial pathway apoptosis. *Breast Cancer Research and Treatment*. 2012, 131(3):791–800.
  - 18) Wang Z, Wang N, **Chen J \***, Shen J\*. Emerging Glycolysis Targeting and Drug Discovery from Chinese Medicine in Cancer Therapy. *Evid Based Complement Alternat Med*. 2012 Jul; 2012: 873175. (IF 1.722/ 2.696).
  - 19) Li Z, Yang D\*, Huang M, Hu X, Shen J, Zhao Z, **Chen J**. *Chrysomya Megacephala* (Fabricius) Larvae: A New Biodiesel Resource. *Appl Energy*. 2012 Mar; 94: 349-354. (IF 4.781/ 4.783)
  - 20) XY Yang, B Huang, **JP Chen**, SG Huang , HQ Zheng, ZR Lun, JG Shen, Y Wang, FL Lu. In vitro effects of aqueous extracts of *Astragalus membranaceus* and *Scutellaria baicalensis* GEORGI on *Toxoplasma gondii*. *Parasitol Res* (2012) 110:2221–2227(DOI 10.1007/s00436-011-2752-2) (IF:1.86).

- 21) Leung D, Yang DP\*, Li ZX, Zhao ZM, **Chen JP**, Zhu LP. Biodiesel from *Zophobas Morio* Larva Oil: Process Optimization and FAME Characterization. *Ind Eng Chem Res.* 2012 Jan; 51: 1036–1040. (IF 2.206/ 2.461)
- 22) Yang X, Huang B, **Chen J**, Huang S, Zheng H, Lun ZR, **Shen J**, Wang Y, Lu F\*. *In Vitro* Effects of Aqueous Extracts of *Astragalus Membranaceus* and *Scutellaria Baicalensis* GEORGI on *Toxoplasma Gondii*. *Parasitol Res.* 2012 Jun; 110 (6): 2221-2227. (IF 2.852/ 2.506)
- 23) WS Lee, MJ Xu, Y Li, Y Gu, **JP Chen**, D Wong, P Fung, JG Shen. Free cholesterol accumulation impairs antioxidant activities and aggravates apoptotic cell death in menadione-induced oxidative injury. *Archives of Biochemistry and Biophysics.* 2011 Oct; 514(1-2):57-67. Epub 2011 Aug 6.
- 24) HW Liu, JY Liu, MR Yang, **JP Chen**, DM Wang. Comparison of Two Determination Methods for Astragaloside IV in Radix Astragali. *Traditional Chinese Drug Research and Clinical Pharmacology.* 2011;22(6): 659-662.
- 25) Liu JY, Liu Z, Wang DM, Li MM, Wang SX, Wang R, **Chen JP**, Wang YF\*, Yang DP\*. Induction of Apoptosis in K562 Cells by Dicyclohexylammonium Salt of Hyperforin through a Mitochondrial-related Pathway. *Chem Biol Interact.* 2011 Apr; 190 (2-3): 91-101. (IF 2.967/ 2.84)
- 26) Wang ZY, Loo TY, **Shen JG**, Wang N, Wang DM, Yang DP, Mo SL, Guan XY, **Chen JP**\*. LDH-A Silencing Suppresses Breast Cancer Tumorigenicity Through Induction of Oxidative Stress Mediated Mitochondrial Pathway Apoptosis. *Breast Cancer Res Treat.* 2012 Feb; 131 (3): 791-800. (IF 4.469/ 4.467, Cited:2).
- 27) Lee W, Xu M, Li Y, Gu Y, **Chen J**, Wong D, Fung PC, **Shen J**\*. Free Cholesterol Accumulation Impairs Antioxidant Activities and Aggravates Apoptotic Cell Death in Menadione-induced Oxidative Injury. *Arch Biochem Biophys.* 2011 Oct; 514 (1-2): 57-67. (IF 3.370/ 3.097)
- 28) Shen J\*, Lee W, **Chen J**, Yang D. Caveolin-3 Peptide Protects Cardiomyocytes from Apoptotic Cell Death via Preserving Superoxide Dismutase Activity and Inhibiting Caspase-3 Activation under Hypoxia-reoxygenation. *Am J Biomed Sci.* 2011 Mar; 3 (2): 126-144. (IF 1.334/ 1.312)
- 29) **JP Chen**\*, SW Chiu, HP Chok. Prevention Strategies for Recurrence and Metastasis of Breast Cancer by Chinese Medicine. *Global Traditional Chinese Medicine.* 2011.4(2):125 .( IF cited 2)
- 30) Y Cheng, ZY Wang, HW Liu , MD Wang, **JP Chen**\*. Total Flavonoids and its Anti-tumor Activities by Different Solvent Extract from *Spatholobus sub erectus* Dunn. *Chinese Journal of Experimental Traditional Medical Formulae* 2011 ,17(9): 187
- 31) FL,Zeng, **JP Chen**, ZY Wang,MD Wang. Study on in vitro antiviruses of different extracts from *Caulis Spatholobus*. *Traditional Chinese Medicine Drug research and phamacology.* 2011; 22(1):16
- 32) Y Cheng, Y Fu,ZY Wang, **JP Chen**\*, MD Wang. Determination on the contents of Condensed Tannins in *Spatholobus sub erectus* Dunn and Primary study on their anti-cancer actives. *Scientiarum Naturalium Universitatis Sun Yatseni.* 2011;50 (2):75-80 (cited: 2)
- 33) Y Fu, Y Cheng, **JP Chen**\*, MD Wang. Advances in studies on chemical substances, pharmacology and quality evaluation of *Caulis Spatholobi*. *Chinese Traditional and Herbal Drugs* 2011; 42(6):1229.
- 34) Y Cheng , JS Chen , **JP Chen**\* , DM Wang. Determination on the contents of different type of tannins in *Sanguisorba officinalis* L. extracts. *Chinese Traditional Patent Medicine,* 2011;33(5):852-57( cited:2)

- 35) ZY Wang, DM Wang, TY Loo, Y Cheng, LL Chen, JG Shen, DP Yang, LW Chow, XY Guan, **JP Chen** \*. Spatholobus suberectus inhibits cancer cell growth by inducing apoptosis and arresting cell cycle at G2/M checkpoint. Journal of Ethno pharmacology, 2011 Jan 27;133(2):751-8.
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- 37) Lin X, Sze SCW, Tong Y, Zhang Z, Feng Y, **Chen JP**, Ng TB, Lin X, Shaw PC, Zhang KY\*. Protective Effect of *Dendrobium Officinale* Polysaccharides on Experimental Sjögren's Syndrome. *J Complement Integr Med*. 2010 Apr; 7 (1): 1-18. (IF -)
- 38) X Yang , S Huang , J Chen , Song N, Wang L, Zhang Z, Deng G, Zheng H, Zhu XQ, Lu F. Evaluation of the adjuvant properties of Astragalus membranaceus and Scutellaria baicalensis GEORGI in the immune protection induced by UV-attenuated Toxoplasma gondii in mouse models. Vaccine. 2010 Jan 8;28(3):737-43. Epub 2009 Nov 1. (IF3.616; Cited :4).
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- 40) QX Li,L Jiang; DP Yang; **JP Chen**; DM Wang. Extraction of Total Alkaloids from Corydalis saxicola Bunting by the Macroporous Resin.Chinese Journal of Pharmaceuticals, 2009;40(10)750—54.
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- 43) WW Mao, TT Wang, HP Zeng, ZY Wang, **JP Chen**, JG Shen, Synthesis and evaluation of novel substituted 5-hydroxycoumarin and pyranocoumarin derivatives exhibiting significant antiproliferative activity against breast cancer cell lines. Bioorganic & Medicinal Chemistry Letters. 2009; 19 (16):4570–4573(IF:2.65).
- 44) H Ren ,MZ Jin, XF Li, BY Tan, DM Wang, Wings TY Loo, Barry HS Yeung, DP Yang, **JP Chen**\*. The disposition and pharmacokinetics of extract from Dioscorea nipponica Makino in rats. African Journal of Biotechnology 2008;7(22): 4015-18 (IF:0.565).
- 45) H Liang, Wings TY Loo, Barry H.S. Yeung, Mary NB Cheung, M Wang, **JP Chen**\*.A non-toxic herbal remedy which enhance lymphocyte activity and cytokine secretion. African Journal of Biotechnology 2008; 7 (22):4010-14(IF:0.565).
- 46) CK Diu, Y Luo, **JP Chen**\*. Review Radix rule application of heat in clinic. Medicine Journal of Guangzhou University of Traditional Chinese 2008;3(25):259-61. (IF:0.239; cited:1)
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- 49) YZ Zeng, RZ Deng, Barry, H.S. Yeung, Wings TY. Loo, Mary N.B. Cheung, **JP Chen**, Bingrong Zhou,YF Fu, LZ Huang, MX Lu, M Wang. Application of an antibacterial

- dressing spray in the prevention of post-operative infection in oral cancer patients: A phase 1 clinical trial. *African Journal of Biotechnology* 2008; 7 (21): 3827-31.(IF:0.565).
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  - 51) T Wang, **J Chen**\*, H Huang, J Shen, D Yang, D Wang. Protective effects of Diosgenin against myocardial injury induced by ischemia and reperfusion in rat. *Critical Care Medicine*.2007, 37(12): 840(IF: 6.37).
  - 52) Loo WTY, **Chen JP**\*, Chow LWC, Chou JWK. Effects of Shugansanjie Tang on Matrix Metalloproteinases 1, 3 and 9 and Telomerase Reverse Transcriptase Expression in Human Breast Cells *In Vitro*. *Biomed Pharmacother*. 2007 Oct; 61 (9): 601-605. (IF 2.068/ 2.231)
  - 53) YH Law, SM Mo, **JP Chen**\*. The functions and applications of “Adjuvant drug” from Fresh Ginger、Chinese Date and Licorice Root in Zhongjing’s Prescription、Chinese Journal of Experimental Traditional Medical Formulae 2006;33(3):22-24.
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  - 60) **JP Chen**\* D Chen, Xeimeitong herbs protect anoxic damage of experiment. *Chinese Journal of Experimental Traditional Medical Formulae* 2002; 21(2):18.
  - 61) YM Zhang, YF Huang, **JP Chen**\*, Ganmeiling for effect on immunity of rat. *Hospital Pharmacology of China* 2002; 33(9):33.
  - 62) BY Tan, GH Wu, **JP Chen**, WK Wu, LQLi, LF Tang, Analysis of Sini decoction used HPLC. *Chinese herbs* 2001;19(1):20. ( IF:0.384; Cited 3)
  - 63) **JP Chen**\*, D Chen, Xeimeitong herbs effect on remembers of rat. *New drug and Hospital Pharmacology* 2001;22(4):32. (IF:0.427)
  - 64) YF Huang, YM Zhang, **JP Chen**\*, Ganmeiling protect for liver damage. *Hospital Pharmacology of China* 2001;23(7):32. (IF0.214)
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  - 66) **JP Chen**\*, BY Tan, WK Wu, LJ Li .Sini decoction prescription rate on two herbs. *Chinese Journal of Experimental Traditional Medical Formulae* 2001; 33(3):22.
  - 67) QS. Zhang, D.A Maddock, **JP Chen**, et al. Cytokine-induced P38 activation feedback regulates the prolonged activation of akt cell survival pathway initiated by reactive oxygen

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  - 71) H Huang, **JP Chen**\*, Molecular Level (CGRP) Research Sini Decoction Effect on Myocardial Ischemia. Journal of Cardiovascular Research 2000;10:5.
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- 98) ER Yuan, Z Liu, ***JP Chen***. Effects of Di-ao-xin-xue-kang on hemodynamics in renovascular hypertensive rats. Journal New Drugs and Clinical Remedies 1994; 13(3):147-9. (IF: 0.427)
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- 101) HL Chen, SW Mo, YL Zhou, ZZ Zhou ***JP Chen***. Influence of Di-ao-xin-xue-kang on  $^{45}Ca$  transmembrane influx in rat aorta Journal New Drugs and Clinical Remedies 1994; 13(3):133-9. (IF: 0.427)
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- 103) ***JP Chen***\*. Jieduhuayu of Strategy treatment is used in fever disease use. Journal of Chengdu University of Traditional Chinese Medicine 1992; 15 (2): 1.
- 104) DX Huang, ***JP Chen***, YQ Yu. Diaoxinxuekang capsule be used on palpitations. Journal of Chengdu University of Traditional Chinese Medicine 1990; 13(4):26.
- 105) LY Kui, ZW Zhang, ***JP Chen***. Analysis the status of fever disease on research and clinic. Journal of Chengdu University of Traditional Chinese Medicine 1989; 12 (2): 7. (Chinese
- 106) LH Luo, WY Xu, ***JP Chen***. The experience of Governance atrophy soup for muscular dystrophy. Chinese Journal of Integrated Traditional and Western Medicine, 1987; 25(4):202.
- 107) ***JP Chen***\*. Z.Y. Wang, Jade T.Y. Li ,Wings T.Y. Loo, H.P. Cheuk, Z.C He, DM Wang, X Zhen, Application Safety of Chinese Medicine-----Use of Dong Quai in Breast Cancer: Is It Appropriate? Journal of Cancer Causes & Control (submitted)

### C. Conference Papers



- 1) Wang Z, Wang N, Shen J and **JP Chen**\*. LDH-A, a potential molecular target for cancer therapy and development of specific Inhibitors from *Spatholobus suberectus*. 19th Hong Kong international Cancer Congress ( 8-9th Nov 2012 HK).
- 2) WTY Loo, MNB Cheung, LWC Chow, M Wang and **JP Chen** Evaluation of the Psychological and Biological Changes of Patients Diagnosed with Benign and Malignant Breast Tumor. 19th Hong Kong international Cancer Congress ( 8-9th Nov 2012 HK).
- 3) WTY Loo, MNB Cheung, LWC Chow, M Wang and **JP Chen**. Similarity of Hypermethylation of TIMP-3, GSTP-1 and 14-3-3 Sigma Genes and Irreversible Changes in Chronic Periodontitis and Cancer Patients 19th Hong Kong international Cancer Congress ( 8-9th Nov 2012 HK).
- 4) **JP Chen**\*, Loo T.Y. and Wang Z .Using association rules mining to explore compatibility of Chinese medicinal formulae (prescription) which treat and prevent breast cancer recurrence and metastasis.( Speaker). 12th national Traditional Chinese Medicine Medicine , integrative Medicine of Breast disease In Beijing 2011(28-30th Oct).
- 5) **JP Chen**\*, Loo T.Y. and Wang Z cancer with emotion. 18th Hong Kong international Cancer Congress ( 3-5th Nov 2011 HK).
- 6) **JP Chen**\*, Wang N, Loo T.Y. and Wang Z, Shen. J. Ellagic Acid, exerts anti-angiogenesis effect on VEGF-induced endothelial cells via VEGFR-2 signaling pathway in breast cancer. 17th international Biophysics Congress Beijing 2011(30th Oct- 3ed Nov).
- 7) **JP Chen**\*, Study on Association Rule Mining in Chinese Medicine research for the breast cancer metastasis. 2th international Cancer Congress in Guangzhou ( 16-18th Nov 2011 GZ).
- 8) **JP Chen**\*, Loo T.Y. and Wang Z Dietary pattern relationship with Breast cancer, 2011 OOTR, Hong Kong.
- 9) **JP Chen**\*, Loo T.Y. and Wang Z Relationship between liver blood deficiency and female breast cancer in the view of the TCM, 49th World Congress of Integrated Medicine held in Kuala Lumpur, Malaysia( Speaker) , 2011.
- 10) **JP Chen**\*, Loo T.Y. and Wang Z. A case-control study of the relationship between Dietary Patterns of TCM and the Risk of Breast Cancer in , OOTR, 2011 Hong Kong.
- 11) Wang N., Wang Z., Loo T.Y. and **JP Chen** \*Ellagic Acid, a phenolic compound, exerts anti-angiogenesis effect through VEGF production and VEGFR-2 signaling pathway, OOTR, 2011.
- 12) **JP Chen**\*, Li T.Y.J., Loo T.Y. and Wang Z. CORRELATIONAL STUDY ON THE FIVE PERSONALITIES AND BREAST CANCER, OOTR, 2011.
- 13) Wang Z., Loo T.Y., Wang N., Chow Y. and **JP Chen**\*. Inhibition of Breast Cancer Growth and Angiogenesis by a Medicinal Herb: *Sanguisorba officinalis* L, 2011.
- 14) **JP Chen**\* Relationship between liver blood deficiency and female breast cancer in the view of the TCM, the 49th World Congress of Integrated Medicine held in Kuala Lumpur, Malaysia, 2011
- 15) Wang Z., Loo T.Y., Wang N. and **JP Chen**\*.Proteomic Identification of Anti-cancer Proteins in Dioscin-treated Human Esophageal Cancer Kyse510 cells, OOTR, 2011
- 16) **JP Chen**\*, Chiu S., Wang Z. and Loo T.Y. Prevention Strategies for Recurrence and Metastasis of Breast Cancer by Chinese Medicine, OOTR, 2011.
- 17) Wang Z., Loo T.Y., Wang D., Cheng Y., Guan X.Y. and **JP Chen**\*. *Spatholobus suberectus*, a potential Chinese herb for cancer treatment, OOTR the 6th Annual Conference, 2010.
- 18) **JP Chen**\*. Chinese Medicine anticancer from SS. Oxidative stress in Tianwan, 2010.Loo T.Y., Wang Z., Dui C.K., yeung W. and **JP Chen**\*. Predominance of left-sided breast cancer: an explanation from a traditional Chinese medicine approach and its treatment implication, The 8th European Congress on Menopause in UK, 2009.

- 19) Wang Z., Loo T.Y. and **JP Chen**\*. Safety of Chinese Medicine ---use of Dongquai to treat female disease :is it appropriate?, The 5th Meeting of Asian Breast Cancer Society, Macau, 2009.
- 20) **JP Chen**\*, Loo T.Y. and Wang Z . Soft-ware for history of patients.( Speaker). 11th national Traditional Chinese Medicine, integrative Medicine of Breast disease In Guilin 2009(16-18 th Oct).
- 21) Wang Z., Guan X.Y. and **JP Chen**\*. Anti-tumor effects and mechanisms of Spatholobus suberectus water extracts in vitro and in vivo., 2009, 98.
- 22) Li Y., **JP Chen**\*. and Loo T.Y. Immunomodulatory effect of Yupingfeng (YPF) on human lymphocytes in vitro, Organization for Oncology and Translational Research (OOTR) 4th Annual Conference, Hong Kong, 2007.
- 23) **JP Chen**\*. Prevention and treatment of breast cancer by Chinese Medicine(Speaker )2007 TWGHs Eddie Wang symposium on integrated Chinese and western Medicine, Hong Kong, 2007
- 24) **JP Chen**\*. Breast cancer treatment strategy in Chinese Medicine(speaker) , WDY's conference, Hong Kong , 2007 .
- 25) **JP Chen**\*. Treatment strategy of Chinese Medicine on breast cancer, WDY's academically conference, Hong Kong , 2007.
- 26) **JP Chen**\*. and Loo T.Y. Immunomulatory effect of YPF on human lymphocytes in vitro., The 6th biennial meeting of the Asian Breast Cancer Society, Hong Kong, 2007, pp 110.
- 27) **JP Chen**\*., Loo T.Y. and Chou W.K. Juzen-taiho-to enhances immune activity in vitro and minimizes cyto-toxicity in vivo, The 6th Biennial meeting of Asian Breast Cancer Society, Hong Kong, 2007, pp 31.
- 28) Loo T.Y., **JP Chen**\*. and Chow W.C. A non-toxic herbal remedy which enhance lymphocyte activity and cytokine secretion: Takayama Ganoderma Lucidum, The 6th Biennial meeting of Asian Breast cancer society, Hong Kong , 2007, pp 109.
- 29) Li Y., Loo T.Y., Guan X.Y. and **JP Chen**\*. Anticancer effect if Dioscin in breast and esophageal cancer cells, The 6th Biennial meeting of Asian Breast Cancer Society, Hong Kong , 2007.
- 30) Loo T.Y., **JP Chen**\*. and Chow W.C. Traditional Chinese medicine, Rhodia, prevents oral membrane ulceration in patients undergoing chemotherapy: a novel discovery, The 6th Biennial meeting of Asian Breast Cancer Society, Hong Kong, 2007, pp 110.
- 31) Loo T.Y., **JP Chen**\*. Chow W.C. A 3-year Prospective Study in Monitoring Bone Mineral Density of Mandible in 180 Fully Edentulous Patients after chemotherapy, The 6th Biennial meeting of Asian Breast Cancer Society, Hong Kong , 2007, pp 108.
- 32) **JP Chen**\*. WDY' Academically Conference , Breast cancer treatment strategy in Chinese Medicine, 2007.
- 33) **JP Chen**\*, Loo T, Chou W. Juzen-taiho-to enhances immune activity in vitro and minimizes cyto-toxicity in vivo, the 6th Biennial meeting of Asian Breast Cancer Society, 2007.
- 34) **JP Chen**\*. and Loo T.Y. The therapeutic effect of Shugansanjie Tang on human breast tumor tissue , The Third Annual Conference of the Organisation for Oncology and Metastasis Research, Japan, 2006.
- 35) **JP Chen**\*, Tong Y, Wong T. Diosgenin against myocardial injury induced by ischemia and reperfusion in rats, Fifth CGCM, 2006.
- 36) T Wang, J Chen\*, H Huang, J Shen, D Yang, D Wang. Protective effects of Diosgenin against myocardial in jury induced by ischemia and reperfusion in rat. Critical Care Medicine 2006.
- 37) **JP Chen**\*. and Wong T.M. Protective effects of Diosgenin against myocardial injury

induced by ischemia and reperfusion , 2006 international symposium for traditional Chinese medicine and integration of traditional Chinese & western medicine, Hong Kong, 2006.

- 38) ***JP Chen***\*. Han F. Becoming easy to learn Chinese Medicine Prescriptions, AMEE Association for Medical Education in Europe, 2006.

\* As correspondence.

## **2. Patents (publication, application, approved or submitted)**

- 1) Extraction and Purification Method of ShanDaogan Compounds and use from Plants; Inventor:***JP Chen***;Patent No. ZL00114056.6 ,International class:A61K35/78, Authorized Date:July.21th, 2004, State Intellectual Property of P.R.China.
- 2) Patent No: ZL 001 14056.602134382.9, Internal Class: A01K35/78, China.
- 3) Patent No: 201210019695.9 China.

## **3. Other contributions**

- 1) A multimedia CD-Rom about the prescription for our students using.
- 2) Abuse of Wushi Powder in Old China: Archival Analysis using Qualitative Approach(theses of my student WS Yeung in 2009)
- 3) Ellagic Acid Can Exert Anti-angiogenesis Effects in Breast Cancer( theses of my student N Wang in 2011)
- 4) Consultancy service offered to: (1) Food health in Vocational Training Council HK in 2003-2011; (2) Specialist of Chinese Medicine Council Guangzhou, China.2011; (3) National Science Fund of China in 2005-2008; (4) Hong Kong Council for Academic Accreditation 2006-2011; (5) Chinese Medicine Council of HK;

## **4. Editorship, Invited lecture and keynote speeches**

### **A. Editorship**

- 1) Editorship for Chinese Medicine. Global Traditional Chinese Medicine.

### **B. Reviewer**

- 1) As a reviewer and evaluation experts for NSFC( until now).
- 2) As a reviewer for peer journals of :
  - Analytica Chimica Acta, and Global Traditional Chinese medicine.
  - Global Traditional Chinese Medicine.
  - International Journal of Health Science and Well Being
  - Natural Science
  - Cancer Therapy
  - Chinese Journal of Integrative Medicine
  - Carcinogenesis
  - African Journal of Biotechnology

### **C. Invited lecture and keynote speeches**

- 1) 2012 international cancer conference in Fudan cancer hospital Shanghai( 2012-10-26-27) ,LDH-A, a potential molecular target for cancer.
- 2) 2012 conference of Asia Oceania research Organisation on Genital infection and Neoplasia( 13-15July 2012). HK title "LDH-A, a potential molecular target for cancer therapy and development of specific Inhibitors from *Spatholobus suberectus*"
- 3) The12th National Traditional Chinese Medicine Medicine , Integrative Medicine of Breast Disease in Beijing 2011(28-30th Oct) Using association rules mining to explore compatibility of Chinese medicinal formulae (prescription) which treat and prevent breast cancer recurrence and metastasis.

- 4) The 49th World Congress of Integrated Medicine held in Kuala Lumpur, Malaysia, 2011. Relationship between liver blood deficiency and female breast cancer in the view of the TCM.
- 5) The 6th World Congress of Chinese Medicine 2009, Melbourne, Australia. Breast cancer and emotion.
- 6) The International Chinese Medicine Congress and the 11th National Traditional Chinese Medicine, Integrative Medicine of Breast Disease in Guilin China, 2009.
- 7) WDY's Conference, Hong Kong , 2007, the title is "Breast cancer treatment strategy in Chinese Medicine".
- 8) The 6th Biennial meeting of Asian Breast Cancer Society, Hong Kong, 2007, Juzen-taiho-to enhance immune activity in vitro and minimize cyto-toxicity in vivo.

## **5. Award**

### **1) External**

- A. HARF: "Effects of Guolin Qigong on Improving Body-mind Health of Chinese Women with Breast Cancer" ( HACMR201, approve, 2012 No. as PI)
- B. CRF (Collaborative Research Fund): Mass Spectrometry-based Metabolomics for the Characterization of Cellular Metabolic Pathways Associated with the Development of Hepatocellular Carcinoma. (HK\$M:4.6, 2010/2011, co-investigator ) .
- C. ITF: Development of Novel Anti-cancer Small Molecules from Natural Herbs Targeting on Lactate Dehydrogenase A(HK\$M:1.25, 2011/13,No. ITS-073-11FP,as PI).
- D. Guangdong-HK collaboration fund: 亚热带密花豆属药用植物 LDH-A 抑制剂的发现及其抗乳腺癌分子机制研究 (PI) 2012-13
- E. RGC/GRF proposals: I have submitted 6 RGC /GRF proposals since 2007, 08, 2010, 2011 and 4/6 got the score at 3.5, and I received awarded from the internal Fund for 3 times.2011-2012 also score 3.5. NSFC/RGC (be short listed 2 time).
- F. NSFC 2004-2006( No 303701761) (24,0000, as PI).

### **2) Internal**

#### **A. Seed Funding from HKU**

- Exploration of active components from *Spatholobus suberectus* for treating breast cancer and preventing its recurrence and metastasis (200907160015, completed).
- Inhibiting breast cancer metastasis through TGF- $\beta$ 1-Induced Epithelial-Mesenchymal Transition (EMT) by Isoliquiritigenin (ISL) (2012;201111159174)
- Regulation Role and Mechanisms of LDH-A on Angiogenesis and VEGF Expression in Cancer Cells (2011, 201011159142 ,On-going).
- Effects and Mechanisms of Litchi seed Extracts against Lung Specific Metastasis of Breast Cancer (2009 , completed).
- Role of Diocin and Diosgenin in protecting myocardium ischemia through reducing cholesterol level at the membrane of red blood cell ( 2007 completed).
- Mechanisms of extracts of *Dioscorea Panthaica* Prain et Burkill in protecting cardiomyocytes from hypoxia-reoxygenation injury and regulating lipid

- metabolism ( 2004, completed ).
- Experimental study of Erxian Decoction on blocking apoptosis of ovary granulosa cells in middle-aged female rats( 2004 as CI. 200411159053 completed).

#### B. Small projects from HKU

- Mechanism exploration of increased intracellular level of ROS in inhibiting breast cancer growth and metastasis caused by Spatholobus suberectus ( 200907176148).
- Investigation of the Mechanisms and Effects of Phytoestrogen from Dang-gui (Angelica sinensis) on Breast Cancer Cells (200807176115 completed).
- The effects of quickening blood circulation & transforming blood stasis on feminine tumors by Chinese herbs (DC0618, 200507176073 completed).

#### C. Other Funding

- Research on the use of Multimedia Teaching in the Science of Chinese Medicine Prescriptions (2006)
- TGD Funding: The use of multimedia in teaching Chinese Medicine (CM) prescriptions (2004).
- LKK Funding: The use of multimedia in teaching Chinese Medicine (CM) prescriptions (2005).
- LKK Funding: The development of multimedia teaching and learning system in TCM -prescription subject (201011165001)

### 6. **Research Direction**

**Research and development of Chinese herbal medicine for prevention and treatment on breast cancer:** The study will develop multidisciplinary approaches to evaluate the efficacy and potential mechanism of Chinese herbal medicine on prevention and treatment of breast cancer. These approaches include: (1) Seeking active compounds and standardizing herbal formula for anticancer. (2) Exploring the molecular mechanisms of anticancer therapy, identification and characterization of breast cancer susceptibility genes. (3) Developing a novel therapeutic approach or new drugs for prevention and treatment of breast cancer.

### **TEACHING EXPERIENCE**

#### **1. Teaching to undergraduates**

- 29 years' in the Chengdu University of TCM and University of Hong Kong.
- Obtained award of Outstanding Teacher in Mainland China.
- The courses have taught currently:
- “Chinese Medicine Prescription” “Life Cultivation and Healthcare of Chinese Medicine”, “Chinese Materia Medica” “ Chinese Medicineprogram” and so on for BChinMed, MBBS Broading Course; HA Certificate Programme for Western Medicinal doctors

#### **2. Supervision of Research Postgraduate Students**

- Supervised 6 MPhil students currently, her's team have Four PhD students, 2 MPhil student and some TPg students.

### **3. Additional Information on Teaching Activities**

- Multimedia teaching research
- Year II Co-ordinator of BChinMed programme
- PBL education on Chinese Medicine prescription
- Discussion and presentation on my teaching subjects
- Visit to Rehabilitation hospitals
- TCM diet practice

### **4. Award on Teaching Activities**

- Research on the use of Multimedia Teaching in the Science of Chinese Medicine Prescriptions (2011, 2006)
- TGD Funding: The use of multimedia in teaching Chinese Medicine (CM) prescriptions (2004).
- LKK Funding: The use of multimedia in teaching Chinese Medicine (CM) prescriptions (2005).
- LKK Funding: The development of multimedia teaching and learning system in TCM-prescription subject (201011165001)

## **SERVICES AND ADMINISTRATION**

### **1. Services**

- 1) Clinical services: I have more than 2 clinical sessions a week at the clinics of School of Chinese Medicine, HKU and I treat more than 40 patients per week.
- 2) Academic services:
  - Member of Faculty Board, LKS Faculty of Medicine, HKU
  - Member of Selection Board for Vocational Training Council
  - Specialist of Hong Kong Council for Academic Accreditation
  - Specialist of National Science Fund of China (2005-2011)
  - Specialist of Chinese Medicine Council of HK
  - Specialist of Chinese Medicine Council Guangzhou, China
  - Specialist of National Science Fund of China in Zhejiang in 2011
- 3) Community services:
  - Giving public lectures on TV, HKCEC, Queen Mary Hospital, VTC and Community

### **2. Administration**

- 1) Member of Clinical Management Committee: ECTR, Tung Wah Group of Hospitals – The University of Hong Kong Clinical Centre for Teaching & Research in Chinese Medicine (Eastern)
- 2) Medical Consultant: Pokfulam and Chi Fu Women's Association.
- 3) Year II Co-ordinator of BChinMed programme
- 4) Consultant: Board for Vocational Training Council (2004-2011)