

CURRICULUM VITAE

Professor LIU Xiao-Cheng M.D.

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PRESENT APPOINTMENT:

President, Chinese Academy of Medical Sciences & Peking Union Medical College
TEDA International Cardiovascular Hospital
Dean, Chinese Academy of Medical Sciences & Peking Union Medical College
TEDA International Cardiovascular Institute
Professor and Director, Tianjin Medical University Cardiovascular Institute
Professor, Peking Union Medical College
Professor, Nankai University Medical College

MEMBERSHIP & BOARD:

Member of Standing Committee, Chinese Hospital Association (CHA)
Member of Standing Committee, Chinese Medical Association (CMA)
Vice President, Asian-Pacific Society for Artificial Organs (APSAO)
Vice President, Chinese Non-government Medical Institutions Association (CNMIA)
Vice President, Tianjin Medical Association
Senior Member, American Association of Thoracic Surgery (AATS)
International Member, Society of Thoracic Surgeons (STS)
Fellow, Eisenhower Fellowship
Editorial board member, Chinese Medical Journal (English Version)
Editorial board member, Chinese Journal of Thoracic and Cardiovascular Surgery
Editorial board member, Chinese Journal of Cardiovascular Review
Editor, Journal of Thoracic and Cardiovascular Surgery (Chinese Version)

SPECIALTY:

Cardiovascular Surgery

EDUCATION & EXPERIENCE:

- 2001.6.1-Present **President**
TEDA International Cardiovascular Hospital
Chinese Academy of Medical Sciences
Peking Union Medical College
TEDA, Tianjin, China
- 2005.4.1-Present **Professor and Director**
Tianjin Medical University Cardiovascular Institute
TEDA, Tianjin, China
- 2007.9.25-Present **Professor**
Nankai University Medical College
Tianjin, China
- 1994.9.6-2000.12.31 **Vice President and Professor**
Chinese Academy of Medical Sciences &
Peking Union Medical College, Beijing, China
Chief
Department of Cardiovascular Surgery
Peking Union Medical College Hospital, Beijing, China
- 1987.6.16-1994.9.5 **President and Director**
Mudanjiang Cardiovascular Hospital and Institute
Professor and Chief
Department of Cardiovascular Surgery
Mudanjiang Cardiovascular Hospital and Institute
Mudanjiang, Heilongjiang Province, China
- 1985.4.16-1987.6.15 **Attending Surgeon**
Department of Cardiovascular Surgery
Fuwai Hospital
Chinese Academy of Medical Sciences &
Peking Union Medical College, Beijing, China
- 1984.4.15-1985.4.15 **Fellow**
Department of Cardiovascular Surgery
The Prince Charles Hospital
Brisbane, Australia
- 1982.7.1-1984.4.15 **Resident**
Department of Cardiovascular Surgery
Fuwai Hospital
Chinese Academy of Medical Sciences &
Peking Union Medical College, Beijing, China
- 1979.9.1-1982.6.30 **Postgraduate Student**
Cardiovascular Institute (Fuwai Hospital)
Chinese Academy of Medical Sciences &

Peking Union Medical College, Beijing, China

1977.7.1-1979.8.31

Resident

Department of Surgery
Jiamusi Medical College Hospital
Jiamusi, Heilongjiang Province, China

1973.9.1-1977.6.30

Medical Student

Harbin Medical University
Harbin, Heilongjiang Province, China

AWARDS:

1. 2010 **Medal of Royal Order of Kingdom of Cambodia Class “Mohasena”**
Appointed by the King of Cambodia
2. 2009 **National Distinguished Philanthropist**
Ministry of Civil Affairs of China
3. 2007 **National Labor Medalist**
National Labor Union of China
4. 2006 **China Charity 10 Figures**
China Charity Federation & China Charity Project Council
5. 2006 **TEDA Professional Pioneer**
Tianjin TEDA Committee of Chinese Communist Party
6. 2005 **China Celebrity 2005**
China Celebrity Council
7. 2005 **TEDA 20 Anniversary Special Honorary Award**
Tianjin TEDA Committee of Chinese communist Party & TEDA Commission
8. 1992. **“Five Hundred Leaders of Influence”**
ABI, NC, USA, 1st. ed.
9. 1991. **“The International Directory of Distinguished Leadership”**
ABI, NC, USA, 4th. ed.
10. 1991. **“5000 Personalities of the World”**
ABI, NC, USA, 3rd. ed.
11. 1991. **“Dictionary of International Biography”**
IBC, Cambridge, UK, 22nd. ed.
12. 1991. **“Men of Achievement”**
IBC, Cambridge, UK, 15th. ed.
13. 1991. **“International Who’s Who of Intellectuals”.**
IBC, Cambridge, UK, 9th. ed.
14. 1991. **“Who’s who in Australasia and The Far East”.**
IBC, Cambridge, UK, 2nd. ed.
15. 1991. **“Outstanding National Distinguished Scientist Who has studied in Abroad”.**
State Education Commission & Ministry of Personnel, Beijing, China
16. 1990. **“National Outstanding Person in Medicine who has studied in Abroad”.**
Ministry of Public Health, Beijing, China
17. 1989. **“All China Model Worker”**
The State Council, Beijing, China
18. 1988. **“Distinguished National Young and Middle aged Scientist”**
Ministry of Personnel, Beijing, China
19. 1988. **“National Outstanding Person in Medicine”**
Ministry of Public Health, Beijing, China
20. 1987. **“National Outstanding Person in Medicine”**
Ministry of Public Health, Beijing, China

Published Full Papers:

**corresponding author*

1. Jiang YY, Hou HT, Yang Q, **Liu XC**, He GW*. Chloride Channels are Involved in the Development of Atrial Fibrillation - A Transcriptomic and proteomic Study. *Sci Rep*. 2017 Aug 31;7(1):10215. (IF5.228)
2. Mak SK, Yu CM, Sun WT, He GW, **Liu XC**, Yang Q. Tetramethylpyrazine suppresses angiotensin II-induced soluble epoxide hydrolase expression in coronary endothelium via anti-ER stress mechanism. *Toxicol Appl Pharmacol*. 2017 Dec 1;336:84-93.(IF:3.791)
3. Guo ZP, Hou HT, Jing R, Song ZG, **Liu XC**, He GW. Plasma Protein Profiling in Patients Undergoing Coronary Artery Bypass Grafting Surgery and Clinical Significance. *Oncotarget*. 2017 Mar 18. doi: 10.18632/oncotarget.16366. [Epub ahead of print] (IF: 5.168).
4. Zhang X, Hou HT, Wang J, **Liu XC**, Yang Q, He GW*. Plasma Proteomic Study in Pulmonary Arterial Hypertension Associated with Congenital Heart Diseases. *Sci Rep*. 2016 Nov 25;6:36541. doi: 10.1038/srep36541. (IF5.228)
5. Hou HT, Wang J, Wang ZQ, **Liu XC**, Marinko M, Novakovic A, Yang Q, He GW*. [Effect of Benidipine in Human Internal Mammary Artery and Clinical Implications.](#) *Ann Thorac Surg*. 2016 May;101(5):1789-95. doi: 10.1016/j.athoracsur.2015.10.029. Epub 2015 Dec 23. (IF: 3.879)
6. Zhang JM, **Liu XC***, Liu ZG, Zhao L, Yang L, Liu TW, He GW*. Comparison of effects of extra-thoracic paraaortic counterpulsation to intraaortic balloon pump on circulatory support in acute heart failure. *J Cardiothorac Surg*. 2015 Nov 24;10(1):173. doi: 10.1186/s13019-015-0349-z (IF:1.036)
7. Zhang X, Wang K, Yang Q, Wang J, Xuan C, **Liu XC**, Liu ZG, He GW. Acute phase proteins altered in the plasma of patients with congenital ventricular septal defect. *Proteomics Clin Appl*. 2015 Dec;9(11-12):1087-96. doi: 10.1002/prca.201400166. (IF: 2.956)
8. Zhao JJ, **Liu XC**, Kong F, Qi TG, Cheng GH, Wang J, Sun C, Luan Y*. Bone marrow mesenchymal stem cells improve myocardial function in a swine model of acute myocardial infarction. *Mol Med Rep*. 2014 Sep;10(3):1448-54. doi: 10.3892/mmr.2014.2378. (IF: 1.559)
9. Xuan C, Gao G, Yang Q, Wang XL, Liu ZG, **Liu XC**, He GW*. [Proteomic Study Reveals Plasma Protein Changes in Congenital Heart Diseases.](#) *Ann Thorac Surg*. 2014 Apr;97(4):1414-9. 2014 Feb 22. pii: S0003-4975(13)02922-6. doi:

- 10.1016/j.athoracsur.2013.11.069. [Epub ahead of print] (IF: 3.879)
10. Bai XY, Zhang P, Yang Q, **Liu XC**, Wang J, Tong YL, Xiong SJ, Liu LH, Wang L, He GW*. Suxiao Jiuxin Pill Induces Potent Relaxation and Inhibition on Contraction in Human Artery and the Mechanism. *Evid Based Complement Alternat Med*. 2014;2014: 956924. doi: 10.1155/2014/956924. Epub 2014 Apr 7. (IF: 4.774)
11. Gao G, Xuan C, Bai XY, **Liu XC**, Liu ZG, Yang Q, He GW*. Identification of altered plasma proteins by proteomic study in valvular heart diseases and the potential clinical significance. *Plos One* 2013 Aug 27;8(8):e72111 (IF: 4.092)
12. Gao G, **Liu XC**, Jing WB, Yang Q, He GW*. Vasorelaxation Induced by New Third-Generation Dihydropyridine Calcium Antagonist Azelnidipine in Human Internal Mammary Artery. *Ann Thorac Surg*. 2013 Oct;96(4):1316-1321. doi: 10.1016/j.athoracsur.2013.05.020. Epub 2013 Jul 26. (Impact Factor: 3.879)
13. Yan YQ, **Liu XC**, Jing WB, Wang Z, Bai XY, Yang Q, He GW*. Alteration of plasma trace elements in patients undergoing open heart surgery. *Biol Trace Elem Res*. 2013 Mar;151(3):344-9. 2012 Dec 20. [Epub ahead of print] (IF: 1.923)
14. Xuan C, Jia KG, Wang BB, Bai XY, Gao G, Yang Q, Wang XL, **Liu XC**, Ma X, He GW*. Identification of Two Novel Mutations of HOMEZ gene in Chinese Patients with Isolated Ventricular Septal Defect. *Genet Test Mol Biomarkers*. 2013 May;17(5):390-4. doi: 10.1089/gtmb.2012.0435. Epub 2013 Apr 10. (IF: 1.444)
15. Zhang W, **Liu XC***, Yang L, Zhu DL, Zhang YD, Chen Y, Zhang HY. Wharton's jelly-derived mesenchymal stem cells promote myocardial regeneration and cardiac repair after miniswine acute myocardial infarction. *Coron Artery Dis*. 2013 Nov;24(7):549-58. doi: 10.1097/MCA.0b013e3283640f00. (IF:1.507)
16. Gao G, Bai XY, Xuan C, **Liu XC**, Jing WB, Novakovic A, Yang Q, He GW*. Role of TRPC3 Channel in Human Internal Mammary Artery. *Arch Med Res*. 2012 Aug;43(6):431-7. doi: 10.1016/j.arcmed.2012.08.010. Epub 2012 Sep 7. (IF: 2.406)
17. Xuan C, Wang BB, Gao G, Bai XY, Yang Q, **Liu XC**, Jing WB, Ma X, He GW*. A Novel Variation of PLAGL1 in Chinese Population with Isolated Ventricular Septal Defect. *Genet Test Mol Biomarkers*. 2012 Aug;16(8):984-7. doi: 10.1089/gtmb.2012.0003. Epub 2012 Jul 11. (IF: 1.444)
18. Li ZX, Guo ZP, **Liu XC**, Kong XR, Jing WB, Chen TN, Lu WL, He GW*. Surgical treatment of tricuspid regurgitation after mitral valve surgery: a retrospective study in China. *J Cardiothorac Surg*. 2012 Apr 10;7:30. (IF1.187)

19. [Xuan C](#), [Chang FJ](#), [Liu XC](#), [Bai XY](#), [Liao XL](#), [He GW*](#), [Ou JS](#). Endothelial Nitric Oxide Synthase Enhancer Protects Endothelial Function From ADMA-induced Injury in Human Internal Thoracic Artery. *J Thorac Cardiovasc Surg*. 2012 Sep;144(3):697-703. Epub 2012 Feb 14. (IF: 4.168)
20. Bai XY, [Liu XC](#), Yang Q, Tang XD, [He GW*](#). The Interaction Between Human Urotensin II and Vasodilator Agents in Human Internal Mammary Artery With Possible Clinical Implications. *Ann Thorac Surg*. 2011 Aug;92(2):610-6. Epub 2011 Jun 24. [Epub ahead of print] (IF: 3.879)
21. Zhang GW, [Liu XC*](#), Luan Y, Zhao J, Shi RF, Liu TJ, Lü F, Yang Q, He GW*. Heparin- and Basic Fibroblast Growth Factor- incorporated Degradable Stent: Comparison to Traditional Transmyocardial Revascularization. *J Cardiovasc Surg (Torino)*. 2011 Apr;52(2):261-70.(IF:1.559)
22. Huang JH, He GW*, Xue HM, Yao XQ, [Liu XC](#), Underwood MJ, Yang Q. TRPC3 Channel Contributes to Nitric Oxide Release: Significance Under Normoxia and Hypoxia-Reoxygenation. *Cardiovasc Res*. 2011 Aug 1;91(3):472-82. Epub 2011 Apr 14 (IF:6.127)
23. Bai XY, [Liu XC](#), Jing WB, Yang Q, Tang XD, [He GW*](#). Effect of Amlodipine in Human Internal Mammary Artery and Clinical Implications. *Ann Thorac Surg*. 2010 Dec;90(6):1952-7. (IF: 3.879)
24. Luan Y, [Liu XC*](#), Zhang GW, Shi RF, Zhao XB, Zhao CH, Liu TJ, Lü F, Yang Q, He GW*. Mid-term effect of stem cells combined with transmyocardial degradable stent on swine model of acute myocardial infarction. *Coron Artery Dis*. 2010;21(4):233-43. [Epub ahead of print] (IF:1.507)
25. [Liu XC*](#), Zhao J, Wang Y, Liu TJ, Lu F, He GW*_. Heparin- and Basic Fibroblast Growth Factor- incorporated Stent: A New Promising Method for Myocardial Revascularization. *J Surg Res*. 2010 Dec;164(2):204-13. Epub 2009 Jun 6. [Epub ahead of print]. (IF: 2.247)
26. Wang Y, [Liu XC*](#), Zhang GW, Zhao J, Zhang JM, Shi RF, Huang YZ, Zhao CH, Liu TJ, Song CX, Lü F, Yang Q, He GW. A new transmyocardial degradable stent combined with growth factor, heparin, and stem cells in acute myocardial infarction. *Cardiovasc Res*. 2009 Dec 1;84(3):461-9. Epub 2009 Jul 3. (IFA: 6.127)
27. Wang Y, [Liu XC*](#), Zhao J, Kong XR, Shi RF, Zhao XB, Song CX, Liu TJ, Lu F. Degradable PLGA scaffolds with basic fibroblast growth factor: experimental studies in myocardial revascularization. *Tex Heart Inst J*. 2009;36(2):89-97. (IF:0.778)

28. Yang Q*, Underwood MJ, Hsin MK, **Liu XC**, He GW*. Dysfunction of pulmonary vascular endothelium in chronic obstructive pulmonary disease: basic considerations for future drug development. *Curr Drug Metab.* 2008 Sep;9(7):661-7. Review. (IF: 5.762)
29. He GW*, **Liu XC**, Kong XR, Liu LX, Yan YQ, Chen BJ, Li ZX, Jing WB, Wang ZQ, Wang K, Zhang W, Chen TN, Wang PS, Lu WL, Zhang JL, Guo ZP, Xue LG, Zhu YX, Wang XL, Xi L. The current strategy of repair of tetralogy of Fallot in children and adults. *Cardiol Young.* 2008 Dec;18(6):608-14. (IF: 1.183)
30. Liu ZG, **Liu XC**, Yim AP, He GW. Direct measurement of nitric oxide release from saphenous vein: abolishment by surgical preparation. *Ann Thorac Surg.* 2001 Jan;71(1):133-7. (IF: 3.879)