CURRICULUM VITAE

Contact information

Jingyuan Li Ph.D

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Education

2007	China Medical University, P.R. China Ph.D. in Anesthesiology
2004	Xuzhou Medical College, P. R. China. Master in Anesthesiology
1996	Xuzhou Medical College, P.R. China MD

Positions and Employment

2014**-**	Assistant Project Scientist, David Geffen School of Medicine at UCLA
2009 -2014	Postdoctoral Fellow, David Geffen School of Medicine at UCLA
2008 -2009	Postdoctoral Fellow, New Jersey Medical School at UMDNJ

Honors and Memberships

2009-Present	Member, American Heart Association
2009-2012	Member, Biophysical Society
2013	American Heart Association Basic Cardiovascular Sciences travel award
2014	UCLA Chancellor's Award for Postdoctoral Research - Honorable Mention

Research Supervision and Mentoring Experiences

Sep2009-Nov 2010	Rod Patrow-Navid (Graduate student)
Jun 2010-Feb 2012	Rajiv Nadadur (Graduate student)
Jan 2011-Feb 2013	Jennifer Dubrawski (Resident)

Sep 2012-Dec 2012	Kaveh Navab (Resident)
Sep 2012- Apr 2013	Harnek Singh (Undergraduate)
Jan 2012- Aug 2013	Gabriel Wong (PhD student)
Sep 2013- Oct 2013	Kyle Hannabass (Graduate student)
Jan 2014-	Alex Centala (Undergraduate)

Peer-reviewed Publications

1. **Li J.,** Chen X., McClusky R., Ruiz-Sundstrom M., Itoh Y., Umar S., Arnold A., Eghbali M. (2014). The number of X chromosomes influences protection from cardiac ischemia/reperfusion injury in mice: One X is better than two. ***Cardiovascular Research***. 102(3):375-84. PMID: 24654234.
2. **Li J**., Li J., Liu X., Qin S. , Guan Y. , Liu Y. , Cheng Y., Chen X., Li W. , Wang S., Xiong M., Kuzhikandathil E., Ye J., Zhang C. (2013) MicroRNA Expression Profile and Functional Analysis Reveal that miR-382 is a Critical Novel Gene of Alcohol Addiction. ***EMBO molecular medicine***. 5(9):1402-14. PMID: 23873704.
3. **Li J**., Rahman S., Eghbali M. (2013). Inotropic effect of lipid emulsion: a new perspective. ***Critical Care Medicine***. 41(8):2060-1. PMID: 23863251.
4. **Li J**., Bopassa J.C., Rahman S., Eghbali M. (2013). In Reply: Intralipid - The New Magic Bullet in Cardioprotection? ***Anesthesiology***. 118(5):1238-40. PMID: 23612141.
5. **Li J**., Umar S. Amjedi M., Iorga A., Sharma S., Nadadur R., Regitz-Zagrosek V., & Eghbali M. (2012). New frontiers in heart hypertrophy during pregnancy. ***Am J Cardiovasc Dis***. 2(3):192-207. PMID: 22937489.
6. **Li J**., Umar S. Iorga A., Youn J.Y., Wang Y., Regitz-Zagrosek V., Cai H. & Eghbali M. (2012). Cardiac Vulnerability to Ischemia/Reperfusion Injury Drastically Increases in Late Pregnancy. ***Basic Research in Cardiology***.107(4):271. PMID: 22648276. **Accompanied by news release**.

http://news.softpedia.com/news/Heart-Attacks-Extremely-Damaging-in-Late-Pregnancy-278848.shtml

http://www.examiner.com/article/ucla-study-evaluates-disastrous-effects-of-heart-attacks-late-pregnancy

http://newsroom.ucla.edu/portal/ucla/ucla-study-demonstrates-cardiac-235535.aspx?link_page_rss=235535

7. **Li J**., Iorga A., Youn J.Y., Partow-Navid R., Umar S., Cai H. Rahman S., & Eghbali M.(2012). Intralipid, a Clinically Safe Compound, Protects the Heart Against Ischemia Reperfusion Injury more

Efficiently than Cyclosporine-A. ***Anesthesiology.*** 117(4):836-46. PMID: 22814384.(**Featured Article**)

8. Partownavid P., Umar S., **Li J**., Rahman S. & Eghbali M. (2012). Rescue of Bupivacaine Induced Cardiotoxicity is Abolished by Fatty Acid Oxidation Inhibitor CVT-4325. ***Critical Care Medicine*****.** 40(8):2431-7. PMID: 22647409. **Accompanied with an editorial**
9. Rahman S., **Li J(co-first author)**., Bopassa J.C., Umar S., Ciobotaru A., Partownavid P. & Eghbali M. (2011). Phosphorylation of GSK-3b mediates Intralipid-induced cardioprotection against Ischemia/Reperfusion injury. ***Anesthesiology*****;**115(2):242-53. PMID: 21691195. **Accompanied by an editorial view and news reports**.
   http://www.anes.ucla.edu/news.php?id=138
   https://in.news.yahoo.com/man-made-fat-prevent-extensive-damage-heart-following-084928751.html
10. Xiong M, **Li J(co-first author).**, Ye JH, Zhang C. (2011). Upregulation of DeltaFosB by Propofol in Rat Nucleus Accumbens. *Anesth Analg*. 2011 Aug;113(2):259-64. PMID: 21642609.
11. Umar S., Nadadur R.D., **Li J**., Maltese F., Partownavid P., van der Laarse A & Eghbali M. (2011). Intralipid Prevents and Rescues Fatal Pulmonary Arterial Hypertension and Right Ventricular Failure in Rats. ***Hypertension***; 58(3):512-8. PMID: 21747043.
12. Umar S., Iorga A., Matori H., Nadadur R.D., **Li J**., Maltese F. & Eghbali M. (2011). Estrogen rescues severe pulmonary arterial hypertension. ***American Journal of Respiratory and Critical Care Medicine***; 184: 715-723. PMID: 21700911. Journal Cover. Accompanied with an editorial.
13. Dong S, Cheng Y, Yang J, **Li J,** Liu X, Wang X, Wang D, Krall TJ, Delphin ES, Zhang C. (2009). MicroRNA expression signature and the role of microRNA-21 in the early phase of acute myocardial infarction. ***J Biol Chem***; 284(43):29514-25. PMID: 19706597.
14. Shao H, **Li J,** Zhou Y, Ge Zh, Chen Q, Fan J, Shao Zh, Zeng Y. (2008). Dose-dependent Protective Effect of Propofol against Mitochondrial Dysfunction in Ischemic/Reperfused Rat Heart: Role of Reactive Oxygen Species and Cardiolipin. ***British Journal of Pharmacology***. 153(8):1641-1649. PMID: 18311192.
15. **Li J,** Wang J, Zeng Y. (2007). Peripheral benzodiazepine receptor ligand, PK11195 induces mitochondria cytochrome c release and dissipation of mitochondria potential via induction of mitochondria permeability transition. ***European Journal of Pharmacology.*** 560(2-3):117-22. PMID: 17291492.

16. Shang X, **Li J**, Zeng Y.(2010). Propofol precondioning alleviating myocardiac ischemia/ reperfusion injury on rats is related to inhibition of mitochondria permeability transition. ***Anhu Medical and Pharmaceutical Journal***. 14(1):33-35.(Chinese)
17. Shang X, **Li J**, Zeng Y.(2009). Simultaneous cyclosporine A treatment while reperfusion mitigate myocardiac ischemia/ reperfusion injury on rats. ***Anhu Medical and Pharmaceutical Journal.*** 13(5):486-488.(Chinese)
18. Shang X, **Li J**, Zeng Y.(2009). Effect of inhibiting mitochondrial permeability transition before/after reoxygenation on cardiomyocytes against hypoxia-reoxygenation injury. ***Sichuan Medical Journal.*** 30(9):1351-1353.(Chinese)
19. **Li J,** Wang J, Zeng Y. (2007). Involvement of peripheral benzodiazepine receptor in the regulation of rat cardiac mitochondria permeability transition. *Chinese Pharmacological Bulletin*. 23(3):257-261. (Chinese)
20. **Li J,** Wang J, Zeng Y. (2007). Peripheral benzodiazepine receptor agonist, Ro5-4864 inhibits mitochondria permeability transition of rat heart. ***Acta Physiologica Sinica***. 25;59(1):13-8. (Chinese) PMID: 17294037.
21. Shao H, **Li J,** Wu C, Zeng Y. (2007). Research progression of the process of mitochondria permeabilization. ***Chinese Journal of Biochemistry & Molecular Biology.*** 23(4):249-255. (Chinese)
22. Shao H, **Li J,** Shao Z, Fan J, Zeng Y. (2007). Effects of age and ischemia on cardiolipin measured by silicic acid high-performance liquid chromatography in isolated rat hearts. ***Chinese Pharmacological Bulletin.*** 24(3):343-347. (Chinese)
23. **Li J,** Zeng Y. (2006). The role of mitochondria permeability transition in myocardium ischemia reperfusion injury. ***International journal of Anesthesiology and Resuscitation.*** (26)1:46-48. (Chinese)
24. **Li J**, Zhu S Zeng Y. (2005). Effects of ginsenoside pretreatment and posttreatment on Myocardial Ischemia/reperfusion Injury in Isolated Rat Hearts. ***Chinese Journal of Anesthesiology***. (25)8:618-620. (Chinese)
25. **Li J,** Zeng Y. (2005). Core journal and journal evaluation. ***Information of Sciences***. 23(11):1655-1657. (Chinese)
26. **Li J,** Zeng Y. (2003). Serial journals of foreign medicine: problems and countermeasures. ***ACTA EDITOLOGICA***. 15(4):288-289. (Chinese)

Abstracts

1. **Li J**, Zeng Y. (2008). Inhibition of mitochondrial permeability transition protects cardiomyocytes against anoxia-reoxygenation injury. *The 14th World Congress of Anaesthesiologists.* Pharmacology section: p28.
2. Zeng Y, **Li J**, Shao H. (2008). Dose-dependent protective effect of propofol against mitochondrial dysfunction in ischemic/reperfused rat heart: involvement of reactive oxygen species and cardiolipinin ischemic/reperfused rat heart: involvement of reactive oxygen species and cardiolipin. *The 14th World Congress of Anaesthesiologists*. Pharmacology section: p14.
3. **Li J**, Ciobotaru A, Umar S, Partownavid P, Rahman S. Eghbali M. (2010). Intralipid Protects Cardiac Function Of Late Pregnant Mice Against Ischemia/Reperfusion Injury. *Biophysical Journal.* 3726-Pos.
4. **Li J**., Umar, S., **Iorga A.,** Partownavid P. & Eghbali M. (2010). Intralipid Protects the Late Pregnant Heart Against Ischemia-Reperfusion Injury. *American Heart Association Basic Cardiovascular Sciences*. 193-Pos.

   This abstract was scored in the top 10% abstracts of Basic Cardiovascular Sciences and was an invited abstract to the 2010 American Heart Association meeting.
5. **Li J**, Ciobotaru A, Umar S, Ren S, Eghbali M. (2010). KCNE2 Expression Is Regulated Both by Estrogen and Cardiac Stress in the Adult Male Mouse Heart. *Biophysical Journal*. 706-Pos.
6. Rahman S, Bopassa J, **Li J**, Umar S, Ciobotaru A, Partownavid P, Eghbali M (2010). Intralipid Induces Cardioprotection Against Ischemia-Reperfusion Injury By Inhibiting The Mitochondrial Permeability Transition Pore Opening Via The Pi3k/Akt Pathway. *Biophysical Journal*. 3727- P.
7. Zhang C, **Li J**, Li J, Liu X, Ye J.(2010) miR-382 Is a Novel Regulator of Alcohol Addiction through Dopamine D1 Receptor and DeltaFosB Pathway. *American Society of Anesthesiology.* A-706
8. Xiong M, **Li J** ,Ye JH, Zhang C. (2010) MicroRNA Signature in Nucleus Accumbens of Rats Treated with Propofol. *American Society of Anesthesiology***.** A-269
9. Rahman S, Partownavid P, **Li J** , Bopassa J, Eghbali M. (2010) Intralipid, a Novel Pharmacological Postconditiong Agent, Protects the Heart Against Ischemia reperfusion Injury. *American Society of Anesthesiology***.** A-345
10. **Li J**, Umar S, Iorga A, Partownavid P, Eghbali M. (2010) Protection of the Late Pregnant Heart Against Ischemia-Reperfusion Injury by Intralipid. *American Society of Anesthesiology***.** A-687

11. Iorga A, **Li J**, Umar S, Partow-Navid R, Eghbali M. (2010) Stimulation of Cardiac Angiogenesis by Estrogen In Heart Failure Improves the Heart Function. *American Society of Anesthesiology***.** A-1596
12. **Li J**, Umar S, Iorga A, Maltese F, Eghbali M. (2010) Higher Vulnerability of Late Pregnant Heart To Ischemia/Reperfusion Injury. *American Society of Anesthesiology***.** A-097
13. Umar S., Iorga A**.,** Matori H., **Li J**. & Eghbali M. (2010). Estrogen Restores Lung and Heart Structure and Function in Pulmonary Hypertension through ER. *American Society of Anesthesiology.* A-1010.

14. **Li J.,** Bopassa J.C., Umar S., Avliyakulov N., Iorga A., Partownavid P., Rahman S., Haykinson M. & Eghbali M.(2010). Inhibition of Mitochondrial Permeability Transition Pore by Intralipid Protects the Late Pregnant Heart Against Ischemia Reperfusion Injury. *Circulation AHA*.Abstract 200.

15. Iorga A, **Li J**, Rod Partow-Navid, Umar S, Eghbali M (2010). Estrogen Treatment of Decompensated Heart Failure Improves Heart Function By Promoting Cardiac Neoangiogenesis and Reducing Fibrosis. *Amercian Heart Association*. 196-P
16. **Li J**., Umar S., Iorga A., Bopassa J.C., Partownavid P. & Eghbali M. (2010). Intralipid Protects Late Pregnant Heart Against Ischemia-Reperfusion Injury. *Circulation AHA*. Abstract 12045.

17. Iorga A**.,** Partow-Navid R., Matori H., Nadadur R.D., **Li J**., Umar S., Eghbali M**.** (2011). Stimulation of Cardiac Neoangiogenesis by Estrogen Therapy is one of the Key Mechanisms in Reversing Advanced Heart Failure. *Biophysical Journal*, 1601-Pos.

18. Iorga A., Partow-Navid R., Nadadur R.D., **Li J**., Umar S. & Eghbali M. (2011). Estrogen Receptor Beta, but not Alpha, Is the Key Player in Restoring Heart Function of Heart Failure Mice by Estrogen Therapy. *Biophysical Journal*, 1602-Pos.

19. **Li J.,** Bopassa J.C., Iorga A., Nadadur R.D., Partownavid P., Rahman S. & Eghbali M. (2011). Similar Inhibition of the Mitochondrial Permeability Transition Pore Opening by Intralipid and Cyclosporin-A After Ischemia Reperfusion. *Biophysical Journl*, 239-Pos .

20. Rahman S., **Li J**., Bopassa J.C., Iorga A., Partownavid P.& Eghbali M. (2011). Phosphorylation of Gsk-3 is Required for Intralipid to Protect The Heart Against Ischemia/Reperfusion Injury. *Biophysical Journal,*1603-Pos.
21. Umar S., Matori H., Iorga A**.**, Afkhami M., **Li J**., Maltese F.& Eghbali M**.** (2011). Mechanistic

Insights into Reversal of Pulmonary Hypertension by Estrogen Therapy. *Biophysical Journal*, 2276-Pos.

22. Iorga A., Partow-Navid R., Matori H., Li J., Umar S. & Eghbali M. (2011). Estrogen Receptor Beta Mediates the Rescue of Cardiac Function in Advanced Heart Failure by Promoting Neoangiogenesis and Reducing Fibrosis. *American Heart Association Basic Cardiovascular Sciences,* P130.

23. **Li J.,** Youn J.,Cai H., & Eghbali M. Iintralipid Protects Heart Against Ischemia Reperfusion Injury more efficiently than cyclosporine-A. *American Heart Association Basic Cardiovascular Sciences*. 296-Pos.

24. Iorga A., **Li J.,** Partow-Navid R., Umar S. & Eghbali M. (2011). Estrogen Therapy Reverses Chronic Heart Failure and Restores Local Heart Estrogen and Aromatase CYP450 Levels in Mice**.** *European Society of Cardiology***.** P1775.

25. Partownavid P., Umar S., **Li J.**, Rahman S., Eghbali M. (2011). Linoleic Acid does not Rescue Bupivacaine-induced Cardiotoxicity. *American Society of Anesthesiology.* A427.

26. **Li J.,** Iorga A., Nadadur R., Partownavid P., Eghbali M. (2011). Intralipid inhibits mitochondrial permeability transition pore opening similar to cyclosporine-A. *American Society of Anesthesiology.* A535.

27. **Li J.,** Amjedi M., Nadadur S., Rahman S., Eghbali M. (2011). Intralipid is more efficient than cyclosporin-A to protect the heart of late pregnant mice. *American Society of Anesthesiology.* A534.

28. Iorga A., Partow-Navid R., Umar S., Matori H., **Li J**., Eghbali M. (2011). Estrogen Receptor Beta Activation Rescues Advanced Heart Failure by Reversing Fibrosis and Promoting Angiogenesis. *American Society of Anesthesiology.* A1491.

29. **Li J.,** Amjedi M., Nadadur S.& Eghbali M. (2011). Intralipid Protects Late Pregnant Mouse Heart Against Ischemia/Reperfusion Injury More Efficiently than Cyclosporine-A. *Circulation AHA*. Abstract 272.

30. **Li J**., Watkins R., Chen X., Arnold A.P. & Eghbali M. (2011). Gonadectomized XX Mice are More Prone to Ischemia/Reperfusion Injury Than XY Mice, Irrespective of Gonadal Sex. *Circulation AHA.* Abstract 16411.

31. **Li J**., Eghbali M., Chui R., Iorga A., Eghbali M. (2012). Cardiac Vulnerability to Ischemia/Reperfusion Injury Drastically Increases in Late Pregnancy. *Biophysical Journl*, 821-Pos.

32. **Li J.,** Iorga A., Youn J., Cai H., Regitz-Zagrosek V., Eghbali M. (2012). Higher ROS Generation and Lower Threshold of mPTP Opening may underlie Increased Vulnerability of Late Pregnant Heat to Ischemia/Reperfusion Injury. *American Heart Association Basic Cardiovascular Sciences,* P359.

33. **Li J.,** Iorga A., Youn J., Cai H., Regitz-Zagrosek V., Eghbali M.(2012). Myocardial Ischemia/Reperfusion Injury in Late Pregnancy Results in Reduced Mitochondrial Function and Increased Superoxide Production. *American Society of Anesthesiology.* A1258.

34. **Li J.,** Watkins R., Chen X., Arnold A., Eghbali M.(2012). Gonadectomized Mice with XY Sex Chromosome Are More Protected Against Ischemia/Reperfusion Injury Compared to XX Mice. *American Society of Anesthesiology.* A1257.

35. **Li J.,** Iorga A., Youn J., Cai H., Regitz-Zagrosek V., Eghbali M.(2012). Greater Myocardial Susceptibility to Ischemia/Reperfusion Injury in Late Pregnancy may in Part Be Due to Deactivation of Akt/ERK and STAT3 Signaling Pathways. ***Oral presentation***. *American Society of Anesthesiology.* A029.

36. **Li J.,** Iorga A., Rahman S., Eghbali M.(2012). Intralipid Protects the Heart in Late Pregnancy Against Ischemia/Reperfusion as efficiently as ischemic conditioning. *American Heart Association* .162-Pos
37. **Li J.,** Watkins R., Chen X., Arnold A., Eghbali M.(2013). Sex Chromosome Protection Again Myocardial Ischemia/reperfusiong Injury In Mice: One X Is Better Than Two. *American Heart Association Basic Cardiovascular Sciences,* P216.

38. **Li J.,** Eghbali M.(2012). Intralipid Protects The Heart In Late Pregnancy Against Ischemia Reperfusion Injury Via STAT3 Signaling Pathway. *American Heart Association Basic Cardiovascular Sciences,* P215.

39. **Li J.,** Sharma S., Iorga A., Eghbali M.(2013). MiR-98 Plays a Regulatory Role in the Cardiac Vulnerability of Pregnancy to Ischemia Reperfusion Injury. *American Society of Anesthesiology. A3170.*

40. **Li J.,** Eghbali A., Mai D., Eghbali M.(2013). Inhibition of STAT3 signaling pathway abolishes the intralipid-induced cardioprotection against ischemia/reperfusion injury in late pregnancy. *American Society of Anesthesiology.* A2138.

41. **Li J.,** Watkins R., Chen X., Arnold A., Eghbali M.(2013). Mice With One X Chromosome are More Protected Against Myocardial Ischemia/Reperfusion Injury Than Mice With Two X Chromosomes. ***Oral presentation***. *American Society of Anesthesiology.* A4003.

42. **Li J.,** McClusky R., Chen X., Arnold A., Eghbali M.(2013). The Effect Of Sex Chromosomes On Myocardial Ischemia/reperfusiong Injury. *Circulation AHA*. Abstract 5038.

43. Wong G, Iorga A, Meriwether D, **Li J.**, Sharna S, Reddy S, Eghbali M.(2013), The Lipoxygenase Inhibitor Nordihydroguaiaretic Acid (NDGA) Prevents the Progression of Pulmonary Hypertension *Circulation AHA*. Abstract 7114.

44. **Li J.,** Arany Z, Eghbali M.(2014). The Role Of Angiogenesis In The Myocardial Ischemia/reperfusion Injury In Pregnancy. *American Heart Association Basic Cardiovascular Sciences*, P223.

45. **Li J.,** Eghbali M.(2014). Intralipid-induced Cardioprotection In Late Pregnancy Is Fully Abolished By Inhibition Of Stat3, But Not Pi3k Signaling. *American Heart Association Basic Cardiovascular Sciences*, P222.

46. **Li J.,** Sharma S., Eghbali M.(2014). Implication Of Mir-98 In The Cardiac Vulnerability Of Pregnancy To Ischemia Reperfusion Injury. *American Heart Association Basic Cardiovascular Sciences*, P342.

47. **Li J.,** Sharma S., Eghbali M.(2014). MiR-98 Regulates Apoptosis in Cardiomyocytes via PGC-1α and STAT3. ***Oral presentation***. *American Society of Anesthesiology.* A1000.

48. **Li J.,** Eghbali M.(2014). The Role of PI3K and STAT3 Signaling Pathways in Intralipid-induced Cardioprotection in Late Pregnancy. *American Society of Anesthesiology.* A1178.

49. **Li J.,** Arany Z, Eghbali M.(2014). Stimulation of Angiogenesis Protects the Hearts in Pregnancy Against Myocardial Ischemia/Reperfusion Injury. *American Society of Anesthesiology.* A3284.

50. Umar S., Centala A., Iorga A., Sharma S., **Li J.,** Arnold A., Eghbali M.(2014). XX Mice Are More Prone to Develop Hypoxia-Induced Pulmonary Hypertension Than XY Mice Regardless of Their Gonadal Sex. *American Society of Anesthesiology.* A4115.

51. **Li J.,** Eghbali M.(2014). Activation of the Safe Pathway Against Cardiac Ischemia-Reperfusion Injury Goes Beyond the Risk Pathway in the Late Pregnancy *American Heart Association* .331-Pos