

Publications:

1. **Tang XL**, Wysoczynski M, Gumpert AM, Li Y, Wu W-J, Li H, Stowers H and Bolli R. Effect of intravenous cell therapy in rats with old myocardial infarction. *Molecular and Cellular Biochemistry*. 2022;477:431-444.
2. Bolli R and **Tang XL**. Clinical trials of cell therapy for heart failure: recent results warrant continued research. *Current Opinion in Cardiology*. 2022;37:193-200.
3. Bolli R, Solankhi M, **Tang XL** and Kahlon A. Cell therapy in patients with heart failure: a comprehensive review and emerging concepts. *Cardiovascular Research*. 2022;118:951-976.
4. Abouleisa RRE, Salama ABM, Ou Q, **Tang XL**, Solanki M, Guo Y, Nong Y, McNally L, Lorkiewicz PK, Kassem KM, Ahern BM, Choudhary K, Thomas R, Huang Y, Juhardeen HR, Siddique A, Ifthikar Z, Hammad SK, El-Baz AS, Ivey KN, Conklin DJ, Satin J, Hill BG, Srivastava D, Bolli R and Mohamed TMA. Transient Cell Cycle Induction in Cardiomyocytes to Treat Subacute Ischemic Heart Failure. *Circulation*. 2022;145:1339-1355.
5. Maldonado C, Nguyen MD, Bauer P, Nakamura S, Khundmiri SJ, Perez-Abadia G, Stowers HL, Wu WJ and **Tang XL**. Rapid Lipid Modification of Endothelial Cell Membranes in Cardiac Ischemia/Reperfusion Injury: a Novel Therapeutic Strategy to Reduce Infarct Size. *Cardiovasc Drugs Ther*. 2021;35:113-123. PMC8376233.
6. Kassem K, Abouleisa RRE, **Tang XL**, Ou Q, Solanki M, Bolli R and Mohamed TMA. PRECLINICAL EFFICACY STUDY IN A PORCINE MODEL FOR A NOVEL GENE THERAPY APPROACH TO PROMOTE CARDIOMYOCYTE PROLIFERATION IN ISCHEMIC CARDIOMYOPATHY. *Journal of the American College of Cardiology*. 2021;77:14-14.
7. Bolli R, **Tang XL**, Guo Y and Li Q. After the storm: an objective appraisal of the efficacy of c-kit plus cardiac progenitor cells in preclinical models of heart disease. *Canadian Journal of Physiology and Pharmacology*. 2021;99:129-139.
8. Abouleisa R, Salama AB, Ou Q, **Tang XL**, Solanki M, Guo Y, Nong Y, Kassem KM, Hammad S, Abdulwali F, Dastagir ML, Bolli R and Mohamed T. Preclinical Evaluation of Transient and Cardiomyocyte Specific Gene Therapy for the Treatment of Subacute Ischemic Heart Failure. *Circulation*. 2021;144.
9. Ou Q, Abouleisa RRE, **Tang XL**, Juhardeen HR, Meki MH, Miller JM, Giridharan G, El-Baz A, Bolli R and Mohamed TMA. Slicing and Culturing Pig Hearts under Physiological Conditions. *Jove-Journal of Visualized Experiments*. 2020.
10. Miller JM, Meki MH, Ou Q, George SA, Gams A, Abouleisa RRE, **Tang XL**, Ahern BM, Giridharan GA, El-Baz A, Hill BG, Satin J, Conklin DJ, Moslehi J, Bolli R, Ribeiro AJS, Efimov IR and Mohamed TMA. Heart slice culture system reliably demonstrates clinical drug-related cardiotoxicity. *Toxicology and Applied Pharmacology*. 2020;406.
11. Abouleisa R, Ou Q, **Tang XL**, Solanki M, Guo Y, McNally L, Lorkiewicz P, Choudhary K, Thomas R, Juhardeen HR, Siddique A, Ifthikar Z, Salama AB, Huang Y, Ivey KN, Hill B, Srivastava D, Bolli R and Mohamed T. Transient Cell Cycle Induction in Cardiomyocytes is a Promising Approach to Treat Ischemia Induced Heart Failure. *Circulation*. 2020;142.
12. Ou Q, Jacobson Z, Abouleisa RRE, **Tang XL**, Hindi SM, Kumar A, Ivey KN, Giridharan G, El-Baz A, Brittan K, Rood B, Lin Y-H, Watson SA, Perbellini F, McKinsey TA, Hill BG, Jones SP, Terracciano CM, Bolli R and Mohamed TMA. Physiological Biomimetic Culture System for Pig and Human Heart Slices. *Circulation Research*. 2019;125:628-642.
13. Moore JB, **Tang XL**, Zhao J, Fischer AG, Wu W-J, Uchida S, Gumpert AM, Stowers H, Wysoczynski M and Bolli R. Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. *Basic Research in Cardiology*. 2019;114.
14. Cai C, Teng L, Duc V, He J-Q, Guo Y, Li Q, **Tang XL**, Rokosh G, Bhatnagar A and Bolli R. The heme oxygenase 1 inducer (CoPP) protects human cardiac stem cells against apoptosis through activation of the extracellular signal-related kinase (ERK)/NRF2 signaling pathway and cytokine release (vol 287, pg 33720, 2012). *Journal of Biological Chemistry*. 2019;294:4725-4727.
15. Abouleisa R, Ou Q, **Tang XL**, Li Y, Wu W, Stowers H, Alhariry N, Elshaer A, Nassri R, Hagsharfi A, Bolli R and Mohamed TM. Induction of Cardiomyocyte Proliferation via Transient Expression of Cell Cycle Factors as a Promising Therapy for Heart Failure. *Circulation*. 2019;140.
16. Abouleisa R, Ou Q, Jacobson Z, **Tang XL**, Hindi SM, Kumar A, Ivey KN, Giridharan G, Al-Baz A, Brittan K, Rood B, Hill BG, Jones SP, Bolli R and Mohamed TM. Reliable Biomimetic Culture System for Pig and Human Heart Slices. *Circulation Research*. 2019;125.

17. **Tang XL**, Nakamura S, Li Q, Wysoczynski M, Gumpert AM, Wu W-J, Hunt G, Stowers H, Ou Q and Bolli R. Repeated Administrations of Cardiac Progenitor Cells Are Superior to a Single Administration of an Equivalent Cumulative Dose. *Journal of the American Heart Association*. 2018;7.
18. Wysoczynski M, Guo Y, Moore JB, Muthusamy S, Li Q, Nasr M, Li H, Nong Y, Wu W, Tomlin AA, Zhu X, Hunt G, Gumpert AM, Book MJ, Khan A, **Tang XL** and Bolli R. Myocardial Reparative Properties of Cardiac Mesenchymal Cells Isolated on the Basis of Adherence. *Journal of the American College of Cardiology*. 2017;69:1824-1838.
19. Tokita Y, **Tang XL**, Li Q, Wysoczynski M, Hong KU, Nakamura S, Wu W-J, Xie W, Li D, Hunt G, Ou Q, Stowers H and Bolli R. Repeated Administrations of Cardiac Progenitor Cells Are Markedly More Effective Than a Single Administration: A New Paradigm in Cell Therapy. *Circulation Research*. 2016;119:635-651.
20. **Tang XL**, Li Q, Rokosh G, Sanganalmath SK, Chen N, Ou Q, Stowers H, Hunt G and Bolli R. Long-Term Outcome of Administration of c-kit(POS) Cardiac Progenitor Cells After Acute Myocardial Infarction Transplanted Cells Do not Become Cardiomyocytes, but Structural and Functional Improvement and Proliferation of Endogenous Cells Persist for at Least One Year. *Circulation Research*. 2016;118:1091-1105.
21. **Tang XL**, Rokosh G, Sanganalmath SK, Tokita Y, Keith MCL, Shirk G, Stowers H, Hunt GN, Wu W, Dawn B and Bolli R. Effects of Intracoronary Infusion of Escalating Doses of Cardiac Stem Cells in Rats With Acute Myocardial Infarction. *Circulation-Heart Failure*. 2015;8:757-U131.
22. **Tang XL**, Rokosh G, Sanganalmath SK, Shirk G, Stowers H, Hunt GN, Dawn B and Bolli R. DOSE-DEPENDENT EFFECTS OF INTRACORONARY CARDIAC STEM CELLS IN RATS WITH ACUTE MYOCARDIAL INFARCTION. *Journal of the American College of Cardiology*. 2015;65:A961-A961.
23. Keith MCL, Tokita Y, **Tang XL**, Ghafghazi S, Moore JB, Hong KU, Elmore JB, Amraotkar AR, Guo H, Ganzel BL, Grubb KJ, Flaherty MP, Vajravelu BN, Wysoczynski M and Bolli R. Effect of the stop-flow technique on cardiac retention of c-kit positive human cardiac stem cells after intracoronary infusion in a porcine model of chronic ischemic cardiomyopathy. *Basic Research in Cardiology*. 2015;110.
24. Keith MCL, **Tang XL**, Tokita Y, Li Q-h, Ghafghazi S, Moore J, Hong KU, Elmore B, Amraotkar A, Ganzel BL, Grubb KJ, Flaherty MP, Hunt G, Vajravelu B, Wysoczynski M and Bolli R. Safety of Intracoronary Infusion of 20 Million C-Kit Positive Human Cardiac Stem Cells in Pigs. *Plos One*. 2015;10.
25. Jones SP, **Tang XL**, Guo Y, Steenbergen C, Lefer DJ, Kukreja RC, Kong M, Li Q, Bhushan S, Zhu X, Du J, Nong Y, Stowers HL, Kondo K, Hunt GN, Goodchild TT, Orr A, Chang CC, Ockaili R, Salloum FN and Bolli R. The NHLBI-Sponsored Consortium for preclinical assessment of cARDioprotective Therapies (CAESAR) A New Paradigm for Rigorous, Accurate, and Reproducible Evaluation of Putative Infarct-Sparing Interventions in Mice, Rabbits, and Pigs. *Circulation Research*. 2015;116:572-586.
26. Li Q, Chen N, Luo L, Ou Q, Xie W, Hunt GN, **Tang XL**, Rokosh GD and Bolli R. Administration of c-Kit plus Cardiac Stem Cells (CSCs) Results in Increased Proliferation and Cardiac Content of CSCs 1 Year Later. *Circulation*. 2014;130.
27. Keith MC, Elmore JB, **Tang XL**, Tokita Y, Amraotkar A, Ghafghazi S, Hong KU, Vajravelu BN, Wysoczynski M, Moore JB, Hunt G and Bolli R. Does the Stop-Flow Technique Improve Cardiac Retention of Intracoronarily Delivered Cells? A Study of Cardiac Retention of C-kit Positive Human Cardiac Stem Cells (hCSCs) After Intracoronary Infusion in a Porcine Model of Chronic Ischemic Cardiomyopathy. *Circulation*. 2014;130.
28. Jansen Of Lorkeers SJ, Hart E, **Tang XL**, Chamuleau MED, Doevendans PA, Bolli R and Chamuleau SAJ. Cyclosporin in Cell Therapy for Cardiac Regeneration. *Journal of Cardiovascular Translational Research*. 2014;7:475-482.
29. Li Q, **Tang XL**, Ou Q, Chen N, Hunt GN, Stowers HL, Rokosh GD and Bolli R. Retention of Differentiated Cardiac Stem Cells 1-Year After Intracoronary Cell Delivery in Rats With Acute Myocardial Infarction. *Circulation*. 2013;128.
30. Bolli R, **Tang XL**, Sanganalmath SK, Rimoldi O, Mosna F, Abdel-Latif A, Jneid H, Rota M, Leri A and Kajstura J. Intracoronary Delivery of Autologous Cardiac Stem Cells Improves Cardiac Function in a Porcine Model of Chronic Ischemic Cardiomyopathy. *Circulation*. 2013;128:122-131.
31. Cai C, Teng L, Duc V, He J-Q, Guo Y, Li Q, **Tang XL**, Rokosh G, Bhatnagar A and Bolli R. The Heme Oxygenase 1 Inducer (CoPP) Protects Human Cardiac Stem Cells against Apoptosis through Activation of the Extracellular Signal-regulated Kinase (ERK)/NRF2 Signaling Pathway and Cytokine Release. *Journal of Biological Chemistry*. 2012;287:33720-33732.
32. Zuba-Surma EK, Guo Y, Taher H, Sanganalmath SK, Hunt G, Vincent RJ, Kucia M, Abdel-Latif A, **Tang XL**, Ratajczak MZ, Dawn B and Bolli R. Transplantation of expanded bone marrow-derived very small embryonic-

- like stem cells (VSEL-SCs) improves left ventricular function and remodelling after myocardial infarction. *Journal of Cellular and Molecular Medicine*. 2011;15:1319-1328.
33. **Tang XL**, Sanganalmath SK, Sato H, Bi Q, Hunt G, Vincent RJ, Peng Y, Shirk G, Dawn B and Bolli R. Atorvastatin Therapy during the Peri-Infarct Period Attenuates Left Ventricular Dysfunction and Remodeling after Myocardial Infarction. *Plos One*. 2011;6.
  34. Sharma U, He J-Q, Vu DM, **Tang XL**, Rokosh G and Bolli R. Overexpression of C-Terminal Domain of Talin-1 Enhances Survival, Migration, and Differentiation of Human Cardiac Stem Cells. *Circulation*. 2011;124.
  35. Cai C, Teng L, He J-Q, Duc V, **Tang XL**, Guo Y, Li Q, Hong K, Rokosh G and Bolli R. Ho-1/co Mediated Human Cardiac Stem Cell Survival Through Activation of Survival Signal Pathways and Cytokine Effects. *Circulation*. 2011;124.
  36. **Tang XL**, Rokosh G, Sanganalmath SK, Yuan F, Sato H, Mu J, Dai S, Li C, Chen N, Peng Y, Dawn B, Hunt G, Leri A, Kajstura J, Tiwari S, Shirk G, Anversa P and Bolli R. Intracoronary Administration of Cardiac Progenitor Cells Alleviates Left Ventricular Dysfunction in Rats With a 30-Day-Old Infarction. *Circulation*. 2010;121:293-U235.
  37. **Tang XL**, Rokosh G, Guo Y and Bolli R. Cardiac Progenitor Cells and Bone Marrow-Derived Very Small Embryonic-Like Stem Cells for Cardiac Repair After Myocardial Infarction. *Circulation Journal*. 2010;74:390-404.
  38. Cai C, Liu X, He J-Q, Vu D, **Tang XL**, Guo Y, Li Q, Rokosh G and Bolli R. Preconditioning Cardiac Progenitor Cells With Biologically Active Gases (NO and CO) Enhances Cell Survival Through Activation of Survival Signal Pathways. *Circulation*. 2010;122.
  39. Chamuleau SAF, Vrijnsen KR, Rokosh DG, **Tang XL**, Piek JJ and Bolli R. Cell therapy for ischaemic heart disease: focus on the role of resident cardiac stem cells. *Netherlands Heart Journal*. 2009;17:199-207.
  40. **Tang XL**, Rokosh G, Sanganalmath SK, Pang Y, Yuan F, Dai S, Mu J, Bi Q, Li C, Chen N, Sato H, Dawn B, Anversa P and Bolli R. Beneficial Effects of Cardiac Progenitor Cells on LV Function 1 Year after Treatment In Rats with Myocardial Infarction. *Circulation*. 2008;118:S289-S290.
  41. Kaiserova K, **Tang XL**, Srivastava S and Bhatnagar A. Role of nitric oxide in regulating aldose reductase activation in the ischemic heart. *J Biol Chem*. 2008;283:9101-12. PMC2431016.
  42. Flaherty MP, Guo Y, Tiwari S, Rezazadeh A, Hunt G, Sanganalmath SK, **Tang XL**, Bolli R and Dawn B. The role of TNF-alpha receptors p55 and p75 in acute myocardial ischemia/reperfusion injury and late preconditioning. *Journal of Molecular and Cellular Cardiology*. 2008;45:735-741.
  43. Flaherty MP, Abdel-Latif A, Li Q, Hunt G, Ranjan S, Ou Q, **Tang XL**, Johnson RK, Bolli R and Dawn B. Noncanonical Wnt11 signaling is sufficient to induce cardiomyogenic differentiation in unfractionated bone marrow mononuclear cells. *Circulation*. 2008;117:2241-2252.
  44. **Tang XL**, Rokosh G, SanganalMath SK, Sato H, Dawn B, Bi Q, Dai S, Hunt G, Leri A, Bearzi C, Tiwari S, Shirk G, Anversa P and Bolli R. Intracoronary administration of cardiac stem cells repairs infarcted myocardium and improves cardiac function in rats with old infarction. *Circulation*. 2007;116:20-20.
  45. Stein AB, Tiwari S, Thomas P, Hunt G, Levent C, Stoddard MF, **Tang XL**, Bolli R and Dawn B. Effects of anesthesia on echocardiographic assessment of left ventricular structure and function in rats. *Basic Research in Cardiology*. 2007;102:28-41.
  46. Sato H, Bolli R, Rokosh GD, Bi Q, Dai S, Shirk G and **Tang XL**. The cardioprotection of the late phase of ischemic preconditioning is enhanced by postconditioning via a COX-2-mediated mechanism in conscious rats. *American Journal of Physiology-Heart and Circulatory Physiology*. 2007;293:H2557-H2564.
  47. Leesar MA, Jneid H, **Tang XL** and Bolli R. Pretreatment with intracoronary enalaprilat protects human myocardium during percutaneous coronary angioplasty. *Journal of the American College of Cardiology*. 2007;49:1607-1610.
  48. Flaherty MP, Guo Y, **Tang XL**, Tiwari S, Hunt G, Rezazadeh A, Bolli R and Dawn B. Dichotomous roles of TNF-alpha receptors p55 and p75 in acute ischemia/reperfusion injury and late ischemic preconditioning. *Circulation*. 2007;116:198-199.
  49. Bolli R, Li Q-H, **Tang XL**, Guo Y, Xuan Y-T, Rokosh G and Dawn B. The late phase of preconditioning and its natural clinical application - gene therapy. *Heart Failure Reviews*. 2007;12:189-199.
  50. **Tang XL**, Sato H, Tiwari S, Dawn B, Bi Q, Li Q, Shirk G and Bolli R. Cardioprotection by postconditioning in conscious rats is limited to coronary occlusions < 45 min. *American Journal of Physiology-Heart and Circulatory Physiology*. 2006;291:H2308-H2317.
  51. Sato H, Bolli R, Bi O, Shirk G and **Tang XL**. Cardioprotection with postconditioning is enhanced by the late phase of ischemic preconditioning via a COX-2-mediated mechanism in conscious rats. *Circulation*. 2006;114:19-19.

52. Kaiserova K, Srivastava S, Hoetker JD, Awe SO, **Tang XL**, Cai J and Bhatnagar A. Redox activation of aldose reductase in the ischemic heart. *J Biol Chem*. 2006;281:15110-20.
53. Bolli R, Jneid H, **Tang XL**, Dawn B, Rimoldi O, Mosna F, Loredi M, Gatti A, Kajstura J, Leri A, Bearzi C, Abdel-Latif A and Anversa P. Intracoronary administration of cardiac stem cells improves cardiac function in pigs with old infarction. *Circulation*. 2006;114:239-239.
54. Bearzi C, Muller P, Amano K, **Tang XL**, Loredi M, Mosna F, Gatti A, Esposito G, Leri A, Kajstura J, Rimoldi O and Bolli R. Identification and characterization of cardiac stem cells in the pig heart. *Circulation*. 2006;114:125-125.
55. **Tang XL**, Takano H, Xuan YT, Sato H, Kodani E, Dawn B, Zhu YQ, Shirk G, Wu WJ and Bolli R. Hypercholesterolemia abrogates late preconditioning via a tetrahydrobiopterin-dependent mechanism in conscious rabbits. *Circulation*. 2005;112:2149-2156.
56. **Tang XL**, Sato H, Tiwari S, Dawn B, Bi QL, Shirk GA and Bolli R. Cardioprotection by postconditioning in conscious rats is limited to coronary occlusions < 45 minutes. *Circulation*. 2005;112:U363-U363.
57. Jneid H, Chandra M, Alshaher M, Hornung CA, **Tang XL**, Leesar M and Bolli R. Delayed preconditioning-mimetic actions of nitroglycerin in patients undergoing exercise tolerance tests. *Circulation*. 2005;111:2565-2571.
58. Dawn B, Stein AB, Urbanek K, Rota M, Whang B, Rastaldo R, Torella D, **Tang XL**, Rezazadeh A, Kajstura J, Leri A, Hunt G, Varma J, Prabhu SD, Anversa P and Bolli R. Cardiac stem cells delivered intravascularly traverse the vessel barrier, regenerate infarcted myocardium, and improve cardiac function. *Proceedings of the National Academy of Sciences of the United States of America*. 2005;102:3766-3771.
59. Zhang J, Ping PP, Wang GW, Lu M, Pantaleon D, **Tang XL**, Bolli R and Vondriska TM. Bmx, a member of the Tec family of nonreceptor tyrosine kinases, is a novel participant in pharmacological cardioprotection. *American Journal of Physiology-Heart and Circulatory Physiology*. 2004;287:H2364-H2366.
60. Wang Y, Kodani E, Wang JX, Zhang SX, Takano H, **Tang XL** and Bolli R. Cardioprotection during the final stage of the late phase of ischemic preconditioning is mediated by neuronal NO synthase in concert with cyclooxygenase-2. *Circulation Research*. 2004;95:84-91.
61. **Tang XL**, Xuan YT, Zhu YQ, Shirk G and Bolli R. Nicorandil induces late preconditioning against myocardial infarction in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2004;286:H1273-H1280.
62. **Tang XL**, Stein AB, Shirk G and Bolli R. Hypercholesterolemia blunts NO donor-induced late preconditioning against myocardial infarction in conscious rabbits. *Basic Research in Cardiology*. 2004;99:395-403.
63. Stein AB, **Tang XL**, Guo Y, Xuan YT, Dawn B and Bolli R. Delayed adaptation of the heart to stress - Late preconditioning. *Stroke*. 2004;35:2676-2679.
64. Zhang J, Ping PP, Vondriska TM, **Tang XL**, Wang GW, Cardwell EM and Bolli R. Cardioprotection involves activation of NF-kappa B via PKC-dependent tyrosine and serine phosphorylation of I kappa B-alpha. *American Journal of Physiology-Heart and Circulatory Physiology*. 2003;285:H1753-H1758.
65. **Tang XL**, Kodani E, Takano H, Hill M, Shinmura K, Vondriska TM, Ping PP and Bolli R. Protein tyrosine kinase signaling is necessary for NO donor-induced late preconditioning against myocardial stunning. *American Journal of Physiology-Heart and Circulatory Physiology*. 2003;284:H1441-H1448.
66. **Tang XL** and Bolli R. Nicorandil induces delayed cardioprotection against infarction in conscious rabbits. *Journal of Molecular and Cellular Cardiology*. 2003;35:A24-A24.
67. Shinmura K, Kodani E, Xuan YT, Dawn B, **Tang XL** and Bolli R. Effect of aspirin on late preconditioning against myocardial stunning in conscious rabbits. *Journal of the American College of Cardiology*. 2003;41:1183-1194.
68. Leesar MA, Stoddard MF, Xuan YT, **Tang XL** and Bolli R. Nonelectrocardiographic evidence that both ischemic preconditioning and adenosine preconditioning exist in humans. *Journal of the American College of Cardiology*. 2003;42:437-445.
69. Dawn B, Stein AB, Urbanek K, **Tang XL**, Rezazadeh A, Chimenti S, Kajstura J, Beltrami A, Prabhu SD, Anversa P and Bolli R. Cardiac progenitor cells repair the infarcted heart and ameliorate cardiac performance. *Circulation*. 2003;108:246-246.
70. **Tang XL**, Takano H, Xuan YT, Kodani E, Zhu YQ, Wu WJ and Bolli R. Hypercholesterolemia abrogates late preconditioning via a tetrahydrobiopterin (BH4)-dependent mechanism in conscious rabbits. *Circulation*. 2002;106:312-312.
71. **Tang XL**, Takano H, Rizvi A, Turrens JF, Qiu YM, Wu WJ, Zhang Q and Bolli R. Oxidant species trigger late preconditioning against myocardial stunning in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2002;282:H281-H291.

72. Shinmura K, Xuan YT, **Tang XL**, Kodani E, Han H, Zhu YQ and Bolli R. Inducible nitric oxide synthase modulates cyclooxygenase-2 activity in the heart of conscious rabbits during the late phase of ischemic preconditioning. *Circulation Research*. 2002;90:602-608.
73. Shinmura K, Bolli R, Liu SQ, **Tang XL**, Kodani E, Xuan YT, Srivastava S and Bhatnagar A. Aldose reductase is an obligatory mediator of the late phase of ischemic preconditioning. *Circulation Research*. 2002;91:240-246.
74. Ping PP, Song CX, Zhang J, Guo YR, Cao XN, Li RCX, Wu WJ, Vondriska TM, Pass JM, **Tang XL**, Pierce WM and Bolli R. Formation of protein kinase C epsilon-Lck signalling modules confers cardioprotection. *Journal of Clinical Investigation*. 2002;109:499-507.
75. Kodani E, Xuan YT, Takano H, Shinmura K, **Tang XL** and Bolli R. Role of cyclic guanosine monophosphate in late preconditioning in conscious rabbits. *Circulation*. 2002;105:3046-3052.
76. Kodani E, Xuan YT, Shinmura K, Takano H, **Tang XL** and Bolli R. delta-Opioid receptor-induced late preconditioning is mediated by cyclooxygenase-2 in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2002;283:H1943-H1957.
77. Dawn B, Takano H, **Tang XL**, Kodani E, Banerjee S, Rezazadeh A, Qiu YM and Bolli R. Role of Src protein tyrosine kinases in late preconditioning against myocardial infarction. *American Journal of Physiology-Heart and Circulatory Physiology*. 2002;283:H549-H556.
78. Bolli R, Shinmura K, **Tang XL**, Kodani E, Xuan YT, Guo YR and Dawn B. Discovery of a new function of cyclooxygenase (COX)-2: COX-2 is a cardioprotective protein that alleviates ischemia/reperfusion injury and mediates the late phase of preconditioning. *Cardiovascular Research*. 2002;55:506-519.
79. Bhatnagar A, Shinmura K, Liu SQ, **Tang XL**, Kodani E, Xuan YT, Srivastava S and Bolli R. Role of lipid peroxidation-derived aldehydes in ischemic preconditioning. *Free Radical Biology and Medicine*. 2002;33:S161-S161.
80. Balafanova Z, Bolli R, Zhang J, Zheng YT, Pass JM, Bhatnagar A, **Tang XL**, Wang OL, Cardwell E and Ping P. Nitric oxide (NO) induces nitration of protein kinase C epsilon (PKC epsilon), facilitating PKC epsilon translocation via enhanced PKC epsilon-RACK2 interactions - A novel mechanism of NO-triggered activation of PKC epsilon. *Journal of Biological Chemistry*. 2002;277:15021-15027.
81. Vondriska TM, Zhang J, **Tang XL**, Bolli R and Ping PP. Src tyrosine kinase forms a signaling complex with PKC epsilon during DETA/NO-induced preconditioning that is subcellular compartment-specific and PKC epsilon activation-dependent. *Faseb Journal*. 2001;15:A485-A485.
82. Vondriska TM, Zhang J, Song CX, **Tang XL**, Cao XN, Baines CP, Pass JM, Wang SS, Bolli R and Ping PP. Protein kinase C epsilon-Src modules direct signal transduction in nitric oxide-induced cardioprotection - Complex formation as a means for cardioprotective signaling. *Circulation Research*. 2001;88:1306-1313.
83. Vondriska TM, **Tang XL**, Zhang J, Bolli R and Ping PP. Bmx, a member of the Tec family of non-receptor tyrosine kinases, is a novel participant in the signaling system of NO-induced cardioprotection. *Circulation*. 2001;104:61-61.
84. Vondriska TM, Ping PP, Zhang J, **Tang XL** and Bolli R. PKC4-dependent upregulation of PKC epsilon activity during nitric oxide-induced cardioprotection. *Circulation*. 2001;104:208-208.
85. Takano H, Bolli R, Black RG, Kodani E, **Tang XL**, Yang ZQ, Bhattacharya S and Auchampach JA. A(1) or A(3) adenosine receptors induce late preconditioning against infarction in conscious rabbits by different mechanisms. *Circulation Research*. 2001;88:520-528.
86. Shinmura K, Kodani E, Dawn B, **Tang XL** and Bolli R. The effect of aspirin on the late phase of ischemic preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 2001;104:227-227.
87. Li QH, Bolli R, Qiu YM, **Tang XL**, Guo YR and French BA. Gene therapy with extracellular superoxide dismutase protects conscious rabbits against myocardial infarction. *Circulation*. 2001;103:1893-1898.
88. Kodani E, Shinmura K, Xuan YT, Takano H, Auchampach JA, **Tang XL** and Bolli R. Cyclooxygenase-2 does not mediate late preconditioning against infarction induced by adenosine A(1) or A(3) receptors. *Journal of Molecular and Cellular Cardiology*. 2001;33:A60-A60.
89. Kodani E, Shinmura K, Xuan YT, Takano H, Auchampach JA, **Tang XL** and Bolli R. Cyclooxygenase-2 does not mediate late preconditioning induced by activation of adenosine A(1) or A(3) receptors. *American Journal of Physiology-Heart and Circulatory Physiology*. 2001;281:H959-H968.
90. Kodani E, Bolli R, **Tang XL** and Auchampach JA. Protection of IB-MECA against myocardial stunning in conscious rabbits is not mediated by the A(1) adenosine receptor. *Basic Research in Cardiology*. 2001;96:487-496.

91. Hill M, Takano H, **Tang XL**, Kodani E, Shirk G and Bolli R. Nitroglycerin induces late preconditioning against myocardial infarction in conscious rabbits despite development of nitrate tolerance. *Circulation*. 2001;104:694-699.
92. Hill M, Kodani E, **Tang XL** and Bolli R. Transdermal nitroglycerin induces late preconditioning against infarction despite nitrate tolerance. *Journal of Molecular and Cellular Cardiology*. 2001;33:A46-A46.
93. Guo Y, Xuan YT, Wu WJ, Li OH, **Tang XL** and Bolli R. Nitric oxide plays a dual role in exercise-induced late preconditioning. *Circulation*. 2001;104:60-60.
94. Guo Y, Wu WJ, Zhu XP, Li QH, **Tang XL** and Bolli R. Exercise-induced late preconditioning is triggered by generation of nitric oxide. *Journal of Molecular and Cellular Cardiology*. 2001;33:A41-A41.
95. Xuan YT, **Tang XL**, Qiu YM, Banerjee S, Takano H, Han H and Bolli R. Biphasic response of cardiac NO synthase isoforms to ischemic preconditioning in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2000;279:H2360-H2371.
96. Xuan YT, **Tang XL**, Qiu Y, Banerjee S, Takano H, Han H and Bolli R. Biphasic response of cardiac NO synthase to ischemic preconditioning in conscious rabbits. *Circulation*. 2000;102:270-270.
97. Takano H, **Tang XL**, Kodani E and Bolli R. Late preconditioning enhances recovery of myocardial function after infarction in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2000;279:H2372-H2381.
98. Takano H, **Tang XL** and Bolli R. Differential role of K-ATP channels in late preconditioning against myocardial stunning and infarction in rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 2000;279:H2350-H2359.
99. Shinmura K, **Tang XL**, Wang Y, Xuan YT, Liu SQ, Takano H, Bhatnagar A and Bolli R. Cyclooxygenase-2 mediates the cardioprotective effects of the late phase of ischemic preconditioning in conscious rabbits. *Proceedings of the National Academy of Sciences of the United States of America*. 2000;97:10197-10202.
100. Shinmura K, Liu SQ, **Tang XL**, Kodani E, Xuan YT, Bhatnagar A and Bolli R. Aldose reductase is an obligatory mediator of the late phase of ischemic preconditioning. *Circulation*. 2000;102:120-+.
101. Kodani E, **Tang XL**, Xuan YT, Shinmura K, Takano H and Bolli R. Role of cyclic guanosine monophosphate in nitric oxide-dependent late preconditioning in conscious rabbits. *Circulation*. 2000;102:270-270.
102. Guo YR, Bao WK, **Tang XL**, Wu WJ, Takano H and Bolli R. Pharmacological preconditioning (PC) with adenosine A(1) and opioid delta(1) receptor agonists is iNOS-dependent. *Circulation*. 2000;102:121-121.
103. Guo Y, Bao W, Wu WJ, Shinmura K, **Tang XL** and Bolli R. Evidence for an essential role of cyclooxygenase-2 as a mediator of the late phase of ischemic preconditioning in mice. *Basic Research in Cardiology*. 2000;95:479-484.
104. Zhang J, Bolli R, **Tang XL**, Jones K and Ping PP. Direct demonstration of both tyrosine and serine phosphorylation of I kappa B-alpha during ischemic preconditioning in conscious rabbits. *Circulation*. 1999;100:56-56.
105. Zhang J, Bolli R, Lalli J, **Tang XL**, Li RCX, Zheng YT, Pass J and Ping P. Ischemic preconditioning and phorbol ester redistribute protein kinase C epsilon to the nucleus, sarcolemmal membranes, and mitochondria in rabbit myocardium. *Circulation*. 1999;100:325-325.
106. Xuan YT, **Tang XL**, Banerjee S, Takano H, Li RCX, Han H, Qiu YM, Li JJ and Bolli R. Nuclear factor-kappa B plays an essential role in the late phase of ischemic preconditioning in conscious rabbits. *Circulation Research*. 1999;84:1095-1109.
107. Takano H, **Tang XL** and Bolli R. Differential role of K-ATP channels in late preconditioning (PC) against myocardial stunning and infarction in conscious rabbits. *Circulation*. 1999;100:717-717.
108. Shinmura K, **Tang XL**, Takano H, Hill M and Bolli R. Nitric oxide donors attenuate myocardial stunning in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 1999;277:H2495-H2503.
109. Rizvi A, **Tang XL**, Qiu YM, Xuan YT, Takano H, Jadoon AK and Bolli R. Increased protein synthesis is necessary for the development of late preconditioning against myocardial stunning. *American Journal of Physiology-Heart and Circulatory Physiology*. 1999;277:H874-H884.
110. Ping PP, Zhang J, Zheng YT, Li RCX, Dawn B, **Tang XL**, Takano H, Balafanova Z and Bolli R. Demonstration of selective protein kinase C-dependent activation of Src and Lck tyrosine kinases during ischemic preconditioning in conscious rabbits. *Circulation Research*. 1999;85:542-550.
111. Ping PP, Takano H, Zhang J, **Tang XL**, Qiu YM, Li RCX, Banerjee S, Dawn B, Balafanova Z and Bolli R. Isoform-selective activation of protein kinase c by nitric oxide in the heart of conscious rabbits - A signaling mechanism for both nitric oxide-induced and ischemia-induced preconditioning. *Circulation Research*. 1999;84:587-604.

112. Ping P, Zhang J, Huang S, Cao X, **Tang XL**, Li RC, Zheng YT, Qiu Y, Clerk A, Sugden P, Han J and Bolli R. PKC-dependent activation of p46/p54 JNKs during ischemic preconditioning in conscious rabbits. *The American journal of physiology*. 1999;277:H1771-85.
113. Ping P, Zhang J, Cao X, Li RC, Kong D, **Tang XL**, Qiu Y, Manchikalapudi S, Auchampach JA, Black RG and Bolli R. PKC-dependent activation of p44/p42 MAPKs during myocardial ischemia-reperfusion in conscious rabbits. *The American journal of physiology*. 1999;276:H1468-81.
114. Li QB, Bolli R, Guo Y, Bao W, Wu WJ, French BA, **Tang XL** and Jones WK. Powerful reduction in infarct size by in vivo adenovirus-mediated gene therapy with endothelial nitric oxide synthase. *Circulation*. 1999;100:837-837.
115. Jones WK, Flaherty MP, **Tang XL**, Takano H, Qiu YM, Banerjee S, Smith T and Bolli R. Ischemic preconditioning increases iNOS transcript levels in conscious rabbits via a nitric oxide-dependent mechanism. *Journal of Molecular and Cellular Cardiology*. 1999;31:1469-1481.
116. Guo YR, Jones WK, Bao WK, **Tang XL**, Wu WJ and Bolli R. Targeted disruption of the iNOS gene abrogates NO donor-induced late preconditioning. *Circulation*. 1999;100:562-562.
117. Guo Y, Jones WK, Xuan YT, **Tang XL**, Bao W, Wu WJ, Han H, Laubach VE, Ping PP, Yang ZQ, Qiu YM and Bolli R. The late phase of ischemic preconditioning is abrogated by targeted disruption of the inducible NO synthase gene. *Proceedings of the National Academy of Sciences of the United States of America*. 1999;96:11507-11512.
118. Dawn B, Xuan YT, Qiu YM, Takano H, **Tang XL**, Ping PP, Banerjee S, Hill M and Bolli R. Bifunctional role of protein tyrosine kinases in late preconditioning against myocardial stunning in conscious rabbits. *Circulation Research*. 1999;85:1154-1163.
119. Banerjee S, **Tang XL**, Qiu Y, Takano H, Manchikalapudi S, Dawn B, Shirk G and Bolli R. Nitroglycerin induces late preconditioning against myocardial stunning via a PKC-dependent pathway. *The American journal of physiology*. 1999;277:H2488-94.
120. Xuan YT, **Tang XL**, Qiu YM, Banerjee S, Takano H, Han H and Bolli R. Direct evidence that inducible nitric oxide synthase mediates the late phase of ischemic preconditioning in conscious rabbits. *Circulation*. 1998;98:417-417.
121. Takano H, **Tang XL**, Qiu YM, Guo YR, French BA and Bolli R. Nitric oxide donors induce late preconditioning against myocardial stunning and infarction in conscious rabbits via an antioxidant-sensitive mechanism. *Circulation Research*. 1998;83:73-84.
122. Takano H, **Tang XL**, Qiu YM, Banerjee S, Dawn B and Bolli R. The tetrahydrobiopterin synthesis inhibitor N-acetylserotonin abrogates late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1998;98:586-586.
123. Takano H, Manchikalapudi S, **Tang XL**, Qiu YM, Rizvi A, Jadoon AK, Zhang Q and Bolli R. Nitric oxide synthase is the mediator of late preconditioning against myocardial infarction in conscious rabbits. *Circulation*. 1998;98:441-449.
124. Qiu YM, Ping PP, **Tang XL**, Manchikalapudi S, Rizvi A, Zhang J, Takano H, Wu WJ, Teschner S and Bolli R. Direct evidence that protein kinase C plays an essential role in the development of late preconditioning against myocardial stunning in conscious rabbits and that epsilon is the isoform involved. *Journal of Clinical Investigation*. 1998;101:2182-2198.
125. Ping PP, Zhang J, Li RCX, **Tang XL**, Qiu YM, Banerjee S, Zheng YT and Bolli R. Ischemic preconditioning (PC) induces selective activation of Src and Lck tyrosine kinases in conscious rabbits via a PKC-dependent pathway. *Circulation*. 1998;98:71-71.
126. Ping PP, Zhang J, Cao XN, Kong DY, **Tang XL**, Qiu YM, Manchikalapudi S, Li RCX and Bolli R. Brief episodes of ischemia induce activation of the MEK1/2-p44/p42 MAPK signaling cascade in the cytosolic fraction and subsequent nuclear translocation of p44/p42 MAPKs via a PKC-dependent pathway in conscious rabbits. *Circulation*. 1998;98:586-586.
127. Li QH, Bolli R, Qiu YM, **Tang XL**, Murphree SS and French BA. Gene therapy with extracellular superoxide dismutase attenuates myocardial stunning in conscious rabbits. *Circulation*. 1998;98:1438-1448.
128. Li QH, Bolli R, Qiu YM, **Tang XL**, Guo YR and French BA. Gene therapy with extracellular superoxide dismutase protects conscious rabbits against myocardial infarction. *Circulation*. 1998;98:144-144.
129. Jones WK, Flaherty MP, **Tang XL**, Qiu YM, Banerjee S and Bolli R. Ischemic preconditioning (PC) upregulates expression of iNOS mRNA in conscious rabbits via an NO-dependent mechanism. *Circulation*. 1998;98:620-620.
130. Guo YR, Wu WJ, Qiu YM, **Tang XL**, Yang ZQ and Bolli R. Demonstration of an early and a late phase of ischemic preconditioning in mice. *American Journal of Physiology-Heart and Circulatory Physiology*. 1998;275:H1375-H1387.

131. Dawn B, Qiu YM, **Tang XL**, Takano H, Banerjee S and Bolli R. The protective effects of late preconditioning are mediated by tyrosine kinase activity in conscious rabbits. *Circulation*. 1998;98:586-586.
132. Bolli R, Dawn B, **Tang XL**, Qiu Y, Ping P, Xuan YT, Jones WK, Takano H, Guo Y and Zhang J. The nitric oxide hypothesis of late preconditioning. *Basic Research in Cardiology*. 1998;93:325-338.
133. Banerjee S, **Tang XL**, Qiu YM, Takano H, Manchikalapudi S, Dawn B, Shirk G and Bolli R. Nitroglycerin induces late preconditioning against myocardial stunning via a protein kinase C mediated pathway in conscious rabbits. *Circulation*. 1998;98:417-417.
134. **Tang XL**, Rizvi AN, Qiu YM, Takano H, Zhang Q, Guo Y and Bolli R. Evidence that the hydroxyl radical triggers late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1997;96:1417-1417.
135. **Tang XL**, Qiu YM, Turrens JF, Sun JZ and Bolli R. Late preconditioning against stunning is not mediated by increased antioxidant defenses in conscious pigs. *American Journal of Physiology-Heart and Circulatory Physiology*. 1997;273:H1651-H1657.
136. Takano H, **Tang XL**, Qiu YM, Manchikalapudi S, Wu MJ, French BA and Bolli R. Intracoronary administration of oxygen radicals induces late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1997;96:1423-1423.
137. Rizvi AN, Qiu YM, **Tang XL**, Xuan YT, Takano H, Jadoon AK and Bolli R. Increased synthesis of proteins is necessary for the development of late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1997;96:1418-1418.
138. Qiu YM, **Tang XL**, Park SW, Sun JZ, Kalya A and Bolli R. The early and late phases of ischemic preconditioning - A comparative analysis of their effects on infarct size, myocardial stunning, and arrhythmias in conscious pigs undergoing a 40-minute coronary occlusion. *Circulation Research*. 1997;80:730-742.
139. Qiu YM, Rizvi A, **Tang XL**, Manchikalapudi S, Takano H, Jadoon AK, Wu WJ and Bolli R. Nitric oxide triggers late preconditioning against myocardial infarction in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 1997;273:H2931-H2936.
140. Ping PP, Zhang J, Qiu YM, **Tang XL**, Manchikalapudi S, Cao XN and Bolli R. Ischemic preconditioning induces selective translocation of protein kinase C isoforms epsilon and eta in the heart of conscious rabbits without subcellular redistribution of total protein kinase C activity. *Circulation Research*. 1997;81:404-414.
141. Maldonado C, Qiu YM, **Tang XL**, Cohen MV, Auchampach J and Bolli R. Role of adenosine receptors in late preconditioning against myocardial stunning in conscious rabbits. *American Journal of Physiology-Heart and Circulatory Physiology*. 1997;273:H1324-H1332.
142. Li QH, Bolli R, Qiu YM, **Tang XL**, Willer SS, Murphree SS and French BA. Gene therapy with extracellular superoxide dismutase alleviates myocardial stunning in conscious rabbits. *Circulation*. 1997;96:4161-4161.
143. Bolli R, Manchikalapudi S, **Tang XL**, Takano H, Qiu YM, Guo YR, Zhang Q and Jadoon AK. The protective effect of late preconditioning against myocardial stunning in conscious rabbits is mediated by nitric oxide synthase - Evidence that nitric oxide acts both as a trigger and as a mediator of the late phase of ischemic preconditioning. *Circulation Research*. 1997;81:1094-1107.
144. Bolli R, Bhatti ZA, **Tang XL**, Qiu YM, Zhang Q, Guo Y and Jadoon AK. Evidence that late preconditioning against myocardial stunning in conscious rabbits is triggered by the generation of nitric oxide. *Circulation Research*. 1997;81:42-52.
145. Auchampach JA, Rizvi A, Qiu YM, **Tang XL**, Maldonado C, Teschner S and Bolli R. Selective activation of A(3) adenosine receptors with N-6-(3-iodobenzyl)adenosine-5'-N-methyluronamide protects against myocardial stunning and infarction without hemodynamic changes in conscious rabbits. *Circulation Research*. 1997;80:800-809.
146. Teschner S, Qiu YM, **Tang XL**, Maldonado C, Rizvi A, Manchikalapudi S, Bagri H, Jadoon A and Bolli R. Late preconditioning against myocardial stunning in conscious rabbits: A dose-related or an all-or-none phenomenon? *Circulation*. 1996;94:2467-2467.
147. **Tang XL**, Qiu YM, Turrens JF, Sun JZ and Bolli R. Is late preconditioning against myocardial stunning mediated by increased endogenous antioxidant defenses? *Circulation*. 1996;94:1068-1068.
148. **Tang XL**, Qiu YM, Park SW, Sun JZ, Kalya A and Bolli R. Time course of late preconditioning against myocardial stunning in conscious pigs. *Circulation Research*. 1996;79:424-434.
149. Sun JZ, **Tang XL**, Park SW, Qiu YM, Turrens JF and Bolli R. Evidence for an essential role of reactive oxygen species in the genesis of late preconditioning against myocardial stunning in conscious pigs. *Journal of Clinical Investigation*. 1996;97:562-576.



150. Qiu YM, **Tang XL**, Rizvi A, Manchikalapudi S, Maldonado C, Teschner S and Bolli R. Protein kinase C mediates late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1996;94:1066-1066.
151. Ping PP, Zhang J, Qiu YM, **Tang XL**, Manchikalapudi S and Bolli R. Repetitive episodes of myocardial ischemia and reperfusion induce translocation of protein kinase C epsilon isoform in conscious rabbits, which is associated with late preconditioning against myocardial stunning. *Circulation*. 1996;94:3855-3855.
152. Park SW, **Tang XL**, Qiu YM, Sun JZ and Bolli R. Nisoldipine attenuates myocardial stunning induced by multiple coronary occlusions in conscious pigs and this effect is independent of changes in hemodynamics or coronary blood flow. *Journal of Molecular and Cellular Cardiology*. 1996;28:655-666.
153. Maldonado C, Bagri H, Qiu YM, **Tang XL**, Auchampach J, Jadoon A, Jacobson K, Teschner S and Bolli R. Late preconditioning against myocardial stunning mediated by adenosine A(1) and A(3) receptors? *Circulation*. 1996;94:2112-2112.
154. **Tang XL**, Qiu Y, Sun JZ, Park SW, Maldonado C and Bolli R. Time-course of late preconditioning against myocardial stunning in conscious pigs. *Circulation*. 1995;92:1388-1389.
155. **Tang XL**, McCay PB, Sun JZ, Hartley CJ, Schleman M and Bolli R. INHIBITORY EFFECT OF A HYDROPHILIC ALPHA-TOCOPHEROL ANALOG, MDL-74,405, ON GENERATION OF FREE-RADICALS IN STUNNED MYOCARDIUM IN DOGS. *Free Radical Research*. 1995;22:293-302.
156. **Tang XL**, Kaur H, Sun JZ, Qiu YM, Park SW, Schleman M, Halliwell B and Bolli R. EFFECT OF THE HYDROPHILIC ALPHA-TOCOPHEROL ANALOG MDL-74,405 ON DETECTION OF HYDROXYL RADICALS IN STUNNED MYOCARDIUM IN DOGS. *American Heart Journal*. 1995;130:940-948.
157. Sun JZ, **Tang XL**, Knowlton AA, Park SW, Qiu YM and Bolli R. LATE PRECONDITIONING AGAINST MYOCARDIAL STUNNING - AN ENDOGENOUS PROTECTIVE MECHANISM THAT CONFERS RESISTANCE TO POSTISCHEMIC DYSFUNCTION 24-H AFTER BRIEF ISCHEMIA IN CONSCIOUS PIGS. *Journal of Clinical Investigation*. 1995;95:388-403.
158. Sekili S, Jeroudi MO, **Tang XL**, Zughuib M, Sun JZ and Bolli R. EFFECT OF ADENOSINE ON MYOCARDIAL STUNNING IN THE DOG. *Circulation Research*. 1995;76:82-94.
159. Qiu Y, **Tang XL**, Sun JZ, Park SW, Kalya A and Bolli R. Does the late phase of ischemic preconditioning protect against infarction and reperfusion arrhythmias in conscious pigs. *Circulation*. 1995;92:1389-1389.
160. Qiu Y, Maldonado C, **Tang XL** and Bolli R. Late preconditioning against myocardial stunning in conscious rabbits. *Circulation*. 1995;92:1715-1715.
161. Bolli R, Zughuib M, Li XY, **Tang XL**, Sun JZ, Triana JF and McCay PB. RECURRENT ISCHEMIA IN THE CANINE HEART CAUSES RECURRENT BURSTS OF FREE-RADICAL PRODUCTION THAT HAVE A CUMULATIVE EFFECT ON CONTRACTILE FUNCTION - A PATHOPHYSIOLOGICAL BASIS FOR CHRONIC MYOCARDIAL STUNNING. *Journal of Clinical Investigation*. 1995;96:1066-1084.
162. Zughuib ME, **Tang XL**, Sun TZ and Bolli R. MYOCARDIAL REPERFUSION INJURY - FACT OR MYTH - A 1993 APPRAISAL OF A SEEMINGLY ENDLESS CONTROVERSY. In: D. K. Das, ed. *Cellular, Biochemical, and Molecular Aspects of Reperfusion Injury*; 1994(723): 218-228.
163. Zughuib ME, **Tang XL**, Schleman M, Jeroudi MO and Bolli R. BENEFICIAL-EFFECTS OF MDL-74,405, A CARDIOSELECTIVE WATER-SOLUBLE ALPHA-TOCOPHEROL ANALOG, ON THE RECOVERY OF FUNCTION OF STUNNED MYOCARDIUM IN INTACT DOGS. *Cardiovascular Research*. 1994;28:235-241.
164. **Tang XL**, Park SW, Qiu Y, Sun JZ and Bolli R. Myocardial reperfusion injury and oxygen free radicals. *Symposium on Myocardial Cytoprotection - A Novel Therapeutic Approach for Coronary Artery Disease*. 1994;17:35-42.
165. Jeroudi MO, **Tang XL**, Abdelfattah A, Sun JZ and Bolli R. EFFECT OF ADENOSINE-A1-RECEPTOR ACTIVATION ON MYOCARDIAL STUNNING IN INTACT DOGS. *Circulation*. 1994;90:479-479.
166. Zughuib ME, Abdelfattah AS, Jeroudi MO, Sun JZ, Sekili S, **Tang XL** and Bolli R. AUGMENTATION OF ENDOGENOUS ADENOSINE ATTENUATES MYOCARDIAL STUNNING INDEPENDENTLY OF CORONARY FLOW OR HEMODYNAMIC-EFFECTS. *Circulation*. 1993;88:2359-2369.
167. Sekili S, McCay PB, Li XY, Zughuib M, Sun JZ, **Tang XL**, Thornby JI and Bolli R. Direct evidence that the hydroxyl radical plays a pathogenetic role in myocardial "stunning" in the conscious dog and demonstration that stunning can be markedly attenuated without subsequent adverse effects. *Circ Res*. 1993;73:705-23.
168. Bolli R, Zughuib M, Li XY, Sekili S, Triana JF, **Tang XL**, Sun JZ and McCay PB. Stunning after repetitive ischemia is caused by recurrent bursts of radical production without a preconditioning effect. *Circulation*. 1993;88:1130-1130.