

Publications

Peer-reviewed Journal articles

- 1) Bissierier M, Mathiyalagan P, Zhang S, Elmastour F, Dorfmüller P, Humbert M, David G, Tarzami S, Weber T, Perros F, Sassi Y, Sahoo S, Hadri L. Regulation of the Methylation and Expression Levels of the BMPR2 Gene by SIN3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. 2020 Feb 5;28(2):394-410.Circulation. **2021** Jul 6;144(1):52-73.
- 2) Malik Bissierier, Javier Milara, Sarah Gubara, Carly Jones, Carlos Bueno-Beti, Elena Chepurko, Erik Kohlbrenner, Michael G. Katz, Anthony Fagnoli, Sima Tarzami, Julio Cortijo, Jane Leopold, Roger J. Hajjar, Yassine Sassi, Lahouaria Hadri. Targeted Gene Therapy using AAV1.Serca2a reverses Pulmonary Fibrosis By Blocking The STAT3/FOXM1 Pathway And Promoting The SNON/SKI Axis. Mol Ther. **2020** Feb 5;28(2):394-410.
- 3) Thomas J LaRocca, Perry Altman, Andrew A Jarrah, Ron E. Gordon, Edward Wang, Lahouaria Hadri, Mark W. Burke, Georges E. Haddad, Roger J. Hajjar and Sima T. Tarzami. CXCR4 cardiac specific knockout mice develops a progressive cardiomyopathy. Int J Mol Sci. **2019** May 8;20(9).
- 4) Adam Abad, Ahmed Peeran, Janay I. Little, Georges E. Haddad, Sima T. Tarzami. Alcohol-Mediated Organ Damages: Heart and Brain. Review. Frontier in Pharmacology **2018** Feb 13;9:81. doi: 10.3389/fphar.2018.00081.
- 5) Andrew A. Jarrah, Martina Schwarskopf, Edward R. Wang, Thomas J LaRocca, Ashwani Dhume, Shihong Zhang, Lahouria Hadri, Roger J. Hajjar, Alison D. Schecter and Sima T. Tarzami. SDF-1 induces TNF-mediated apoptosis in cardiac myocytes. Apoptosis. **2018** Jan;23(1):79-91.
- 6) Delaine K. Ceholski, Irene C. Turnbull, Andrew A. Jarrah, Changwon Kho, Ahyoung Lee, Lahouaria Hadri, Kevin D. Costa, Roger J. Hajjar, and Sima T. Tarzami. A unique network involving CXCR4 and CXCR7 coordinates cardiac lineage specification and mobilization of induced pluripotent stem cells. Stem Cell Res. **2017** Aug;23:77-86.
- 7) Edna Howerton and Sima T. Tarzami. Tumor Necrosis Factor-Alpha and Inflammation-Mediated Cardiac Injury. Review. J Cell Sci Ther **2017** Apr; 8:2 .
- 8) Jarrah AA, Tarzami ST. The duality of chemokines in heart failure. Review. Expert Rev Clin Immunol. **2015** Apr;11(4):523-36.
- 9) Wang ER, Jarrah AA, LaRocca TJ, Benard L, Chen J, Tarzami ST. Deletion of CXCR4 in cardiomyocytes exacerbates cardiac dysfunction following isoproterenol administration. Gene Ther. 2014 May;21(5):496-506.
- 10) Larissa Lipskaia, Regis BOBE, Jiqui Chen, Irene C. Turnbull, jose-javier lopez-barba, Elise Merlet, Dongtak Jeong, Ioannis Karakikes, Alexandra Ross, Lifan Liang, Nathalie Mougnot, Fabrice Atassi, Anne-Marie Lompre, Sima T Tarzami, Jason Kovacic, Evangelia Kranias, Roger Hajjar, and Lahouaria Hadri. Synergistic role of Protein Phosphatase Inhibitor 1 and SERCA2a in the acquisition of the Contractile Phenotype of Arterial Smooth Muscle Cells. Circulation. 2014 Feb 18;129(7):773-85.

- 11) LaRocca TJ, Jeong D, Kohlbrenner E, Lee A, Chen J, Hajjar RJ, Tarzami ST. CXCR4 gene transfer prevents pressure overload induced heart failure. *J Mol Cell Cardiol.* 2012 Aug;53(2):223-32.
- 12) Sima T. Tarzami. Chemokines and Inflammation in Heart disease: Adaptive or Maladaptive? Review. *Int J Clin Exp Med.* 2011;4(1):74-80..
- 13) LaRocca T, Schwarzkopf M, Altman P, Zhang S, Gupta A, Gomes I, Alvin Z, Champion HC, Haddad G, Hajjar RJ, Devi LA, Schechter AD, Tarzami ST. B₂ adrenergic receptor in the heart is modulated by interactions with CXCR4 chemokine receptor. *J Cardiovasc Pharmacol.* 2010 Nov;56(5):548-59.
- 14) Chen J, Chemaly E, Liang L, Kho C, Lee A, Park J, Altman P, Schechter AD, Hajjar RJ, Tarzami ST. Effects of CXCR4 gene transfer on cardiac function following ischemia-reperfusion. *Am J Pathol.* 2010 Apr;176(4):1705-15.
- 15) Tarzami ST, Wang G, Li W, Green L, Singh JP. Enhancement of Bone Marrow-Derived Endothelial Progenitor Cell Differentiation by PAR-1 Activation. *J Thromb Haemost.* 2006 Mar;4(3):656-63.
- 16) Tarzami ST, Calderon TM, Deguzman A, Lopez L, Kitsis RN, Berman JW. MCP-1/CCL-2 protects cardiac myocytes from hypoxia-induced apoptosis by a Gai independent pathway. *Biochem Biophys Res Commun.* 2005 Oct 7;335(4):1008-16.
- 17) Tarzami ST, Hsieh SS, Esterman MA, Singh JP. Staurosporine Promotes Endothelial Cell Assembly During In Vitro Angiogenesis by Enhancing FAK Phosphorylation. *J Cardiovasc Pharmacol.* 2005 Jan;45(1):22-9.
- 18) Tarzami ST, Singh JP. Pharmacological Revascularization in Coronary and Peripheral Vascular Disease. Review. *Expert Opin Investig Drugs.* 2004 Oct;13(10):1319-26. Review.
- 19) Tarzami ST, Miao W, Mani K, Lopez L, Factor SM, Berman JW, Kitsis RN. Opposing Effects Mediated by the Chemokine Receptor, CXCR2, on Myocardial Ischemia-Reperfusion Injury: Recruitment of Potentially Damaging Neutrophils and Direct Myocardial Protection. *Circulation.* 2003 Nov 11;108(19):2387-92.
- 20) Tarzami ST, Cheng R, Miao W, Kitsis RN, Berman JW. Chemokine expression in myocardial ischemia: MIP-2 dependent MCP-1 expression protects cardiomyocytes from cell death. *J Mol Cell Cardio.* 2002 Feb; 34(2):209-21.
- 21) Pumo DE, Finamore PS, Franek WR, Phillips CJ, Tarzami ST, Balzarano D. complete Mitochondrial genome of a Neotropical fruit bat, *Artibeus jamaicensis*, and a new hypothesis of the relationships of bats to other eutherian mammals. *J Mol Evol.* 1998 Dec;47(6):709-17.
- 22) Jiang Y, Tarzami ST, Burch JB, Evans T. Common role for each of the cGATA-4/5/6 genes in the regulation of cardiac morphogenesis. *Dev Genet.* 1998;22(3):263-77.
- 23) Tarzami ST, Kringstein AM, Conte RA, Verma RS. Unique genomic sequences in human chromosome 16p are conserved in the great apes. *Mol Gen Genet.* 1997 Jan 27;253(4):512-4.
- 24) Tarzami ST, Kringstein AM, Conte RA, Verma RS. A unique genomic sequence in the Wolf-Hirschhorn syndrome [WHS] region of humans is conserved in the great apes. *Genetica.* 1996 Oct;98(2):217-9.