Javier Lopez, M.D.

Clinical Interests	Javier E. Lopez is interested in studying how soluble factors may regulate the transition of cardiac myocytes from regeneration during fetal growth to hypertrophic growth postnatally. It is postulated that the lack of cardiac regeneration in the postnatal heart confounds the myocyte dysfunction, cell death and tissue fibrosis that is associated with decompensated heart failure. Our global hypothesis is that by manipulating the cardiac gene program of the failing heart with soluble factors (drugs), we may augment endogenous and/or transplanted cardiac myocyte regeneration to ameliorate the progression of left and/or right ventricular failure. My laboratory focus is in studying the fundamental mechanisms of this growth transition to enhance the translational efficacy of soluble factors (drugs) and cell-based strategies (stem-cells) for cardiac regeneration in the failing heart.
Title	Assistant Adjunct Professor
Specialty	Cardiology, Cardiovascular Medicine, Internal Medicine
Department	Internal Medicine
Division	Cardiovascular Medicine
Center/Program Affiliation	Cardiovascular Services
Address/Phone	Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817 **Phone:** 800-282-3284
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Education	M.D., Temple University School of Medicine, Philadelphia, Pennsylvania, 1999
Internships	University of Texas Southwestern, Parkland Hospital, Dallas, Texas, 2000
Residency	University of Texas Southwestern, Parkland Hospital, Dallas, Texas, 2002
Fellowships	UC Davis, Sacramento, California, 2009 UC San Francisco, San Francisco, California, 2006 UC San Francisco, San Francisco, California, 2007

UCDAVIS HEALTH

Javier Lopez, M.D.

Board Certifications

American Board of Internal Medicine, 2002
American Board of Internal Medicine, Cardiovascular Medicine, 2010

Professional Memberships

Alpha Omega Alpha
Fellow and Scholar, Sarnoff Endowment for Cardiovascular Research
Member, American Heart Association, Basic Science Council
Member, International Society for Stem Cell Research

Select Recent Publications

Sirish P, Li N, Liu J, Lee K, Hwang SH, Qiu H, Ma S, Lpez JE, Hammock BD, Chiamvimonvat N: Unique Mechanistic Insights into the Beneficial Effects of Soluble Epoxide Hydrolase Inhibitors in the Prevention of Cardiac Fibrosis. Proc Natl Acad Sci U S A, 2013

Watt C, Sirish P, Chiamvimonvat N, López JE: MicroRNAs as a window into cellular processes occurring soon after acute myocardial infarction. World Congress of Heart Disease (Abstract) 2012.

Lopez JE, Myagmar BE, Swigart PM, Montgomery MD, Haynam S, Bigos M, Rodrigo M, Simpson PC. Beta-Myosin Heavy Chain Is Induced by Pressure Overload in a Minor Sub-Population of Smaller Mouse Cardiac Myocytes. Circulation Research. 2011, 109:629-638.

Sirish P, Lpez JE, Li N, Wong A, Timofeyev V, Young JN, Majdi M, Li RA, Chen HS, Chiamvimonvat N. (2012). MicroRNA profiling predicts a variance in the proliferative potential of cardiac progenitor cells derived from neonatal and adult murine hearts. J Mol Cell Cardiol. Jan;52 (1):264-72. Epub 2011 Oct 20.

Timofeyev V, Porter CA, Tuteja D, Qiu H, Li N, Tang T, Singapuri A, Han PL, Lopez JE, Hammond KH, and Chiamvimonvat N. Disruption of Adenylyl Cyclase Type V does not Rescue the Phenotype of Cardiac-Specific Over-Expression of Gaq Protein-Induced Cardiomyopathy. American Journal of Physiology. 2010, 299(5):H1459-67.

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Epting CL*, Lopez JE*, Pendersen A, Brown C, Spitz P, Ursell PC, and Bernstein HS. Stem cell antigen-1 regulates the tempo of muscle repair through effects on proliferation of a7 integrin-expressing myoblasts. 2008. Experimental Cell Research. 314: 1125-1135. 2008. *co-authors listed alphabetically.

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UCDAVIS HEALTH

Javier Lopez, M.D.

Epting CL, Lopez JE, Shen X, Liu L, Bristow J, and Bernstein HS. Stem cell antigen-1 is necessary for cell-cycle withdrawal and myoblast differentiation in C2C12 cells. 2004. Journal of Cell Science. 117(25): 6185-6195.

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