



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
UC Davis Medical Group, Davis

Clinic UC Davis Medical Group, Davis

Center/Program Affiliation [Cardiovascular Services](#)
[UC Davis Medical Group](#)

Address/Phone UC Davis Medical Group - Davis (West Covell Boulevard), 2440 West Covell Blvd Suite 104 Davis, CA 95616

Phone: 530-747-3000

Lawrence J. Ellison Ambulatory Care Center, Cardiology Clinic, 4860 Y St. Suite 0200 Sacramento, CA 95817

Phone: 800-282-3284

Additional Phone Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education M.D., Temple University School of Medicine, Philadelphia, Pennsylvania, 1999

Internships University of Texas Southwestern, Parkland Hospital, Dallas, Texas, 2000



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- 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
- 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, López 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.
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- Lopez JE, Yeo K, Caputo G, Buonocore MH and Schaefer S. Recovery of methamphetamine-associated cardiomyopathy using late gadolinium contrast enhanced magnetic resonance imaging: case report. 2009. *Journal of cardiovascular MR*. 11:46.
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