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.

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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

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Javier Lopez, M.D.

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

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Javier Lopez, M.D.

Lopez JE, Myagmar BE, Swigart P, Bigos M, Rodrigo M, Simpson PC. Beta-Myosin Heavy Chain induction after pressure overload is in a minor sub-population of myocytes and requires the Alpha-1A-Adrenergic Receptor. 2007. Circulation Supplement. 116(II) 19. Abstract.

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