

Stanford



Carlos Vera

Postdoctoral Scholar, Cardiovascular Institute

Bio

BIO

Carlos obtained his B.S. in Industrial Biotechnology from the University of Puerto Rico at Mayaguez. He received his PhD from the University of Colorado at Boulder working with Dr. Leslie Leinwand on myosin myopathies. His dissertation focused on analyzing the effects on myosin's cross-bridge cycle from mutations associated to Hypertrophic (HCM) and Dilated (DCM) cardiomyopathies. For his postdoc he will focus on disease mechanisms that can influence severity.

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Generation of two induced pluripotent stem cell lines from patients suffering from pulmonary hypertension.** *Stem cell research*
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- **Generation of two iPSC lines from long QT syndrome patients carrying SNTA1 variants.** *Stem cell research*
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● **Identification of sequence changes in myosin II that adjust muscle contraction velocity** *PLOS BIOLOGY*

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● **Myosin motor domains carrying mutations implicated in early or late onset hypertrophic cardiomyopathy have similar properties.** *The Journal of biological chemistry*

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● **Rapid Identification of Monospecific Monoclonal Antibodies Using a Human Proteome Microarray** *MOLECULAR & CELLULAR PROTEOMICS*

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