



## **The Department of Pharmacology**

**Proudly Presents the Seminar Series:**

### ***Frontiers in Pharmacology***

# **“Integrins and Cytoskeletal Proteins in the Cardiac Myocyte: More than Glue and Struts”**

How the cardiac myocyte senses, organizes and transmits mechanical signals is not well understood and it is acknowledged that derangements in myocardial mechanosensing may cause heart failure. Mechanosensing is not a simple event which is restricted to the sarcolemma, but rather one that has extensive downstream connections and consequences, as the mechanical perturbation is converted to biochemical and functional information.

In this seminar, I will focus on our work showing that integrins and integrin-associated proteins in the cytoskeleton and focal adhesion / costamere, are critical for normal function of the cardiac myocyte and whole heart

## **Robert S. Ross, M.D.**

**Professor of Medicine – University of California, San Diego**

**Assistant Vice Chancellor for**

**Health Sciences Academic Affairs**

**Staff Cardiologist – VA Healthcare San Diego**

**Tuesday, March 18, 2014**

**4:00 pm**

**GBSF Auditorium**

**(Rm. # 1005)**

*Light refreshments will be served.*

*Host : Ye Chen-Izu*

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