
Page 1

Q1 Faculty Information:

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Q2 Type of Research? **Basic Science Research**

Q3 Please describe your research interests:

The overarching interest of my lab is in the investigation of the role of G protein signaling regulation in health and disease. The work in the lab mostly focuses on cardiovascular biology and disease. We use various animal models of hypertension, pathologic cardiac hypertrophy, heart failure, chronic kidney disease, and spinal cord injury. We employ a multi-faceted approaches in integrative physiology, including radiotelemetric monitoring of blood pressure, heart rate, and ECG in conscious, freely moving mice. We also use both invasive and non-invasive methods of assessing cardiac structure and function, including echocardiography, Doppler ultrasonography, and PV loop techniques.

Q4 Please provide a brief description of research opportunity/project(s): **Respondent skipped this question**

Q5 Please indicate the specific level of experience required, if applicable: **Open to all medical students**
