Q1 Faculty Information:

Last name: Osei-Owusu  
First name: Patrick  
Faculty Position: Associate Professor  
Department: Pharmacology and Physiology  
Institution: Drexel University College of Medicine  
Phone: 215-762-4145  
Email Address: po66@drexel.edu

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