**MED 580 – Molecular and Physiological Basis of Heart Disease**

The fundamental aim of this course is to take a translational aspect to heart disease by exploring the basis of heart structure and function and to understand the molecular and cellular basis for the pathophysiological perturbations in disease states. Student will be exposed to the quantitative and qualitative changes that occur in human heart disease and current potential therapeutic targets. The use of genetically modified animal models of human heart disease will be highlighted.

**Prerequisite:** consent of Department and Undergraduate Exposure to Cardiovascular Physiology  
**Instructor:** Dr. Gavin Oudit; e-mail: gavin.oudit@ualberta.ca

*Please note: This course is not being offered at this time.*