

## **Home**

## **Mission**

### **Research**

Our joint laboratories aim to develop and enhance the use of ultrasound (US), magnetic resonance imaging (MRI) and photoacoustic (PA) techniques to improve cancer treatment. Our primary focus has been to develop quantitative imaging methods to monitor cancer therapy response. In addition, we have developed novel ultrasound-based therapies to improve current conventional cancer treatments. The goal is to apply both aims integrated clinically at the end of the proposed research period, with clinical evaluations of enhanced imaging and cancer treatment derived from these research objectives.

### **Translation**

Translate these strategies from bench to bedside.

### **Education**

Educate basic scientists, bioengineers, and oncologists in the integrative biology of cancer.