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Mission

Research

Radiation and chemotherapy remain foundational elements of care for cancer patients. Our focus is on making these techniques, two of the most common cancer treatments, significantly better through personalized cancer care. We are developing new and innovative ultrasound and MRI imaging methods, which can be used to tell whether or not a treatment is working earlier in the treatment process than ever. We are also developing new image-guided treatments using ultrasound and MRI to make chemotherapy and radiation therapy more effective and with fewer side effects, ultimately leading to better patient quality of life.

Translation

Translate these strategies from bench to bedside.

Education

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