PROJECT TITLE: Ultrasound imaging for therapy guidance

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Project Description

The Biomedical Acoustics Laboratory does research on ultrasound imaging for
guiding therapy, which includes cancer treatment by heating and radiation,
correction of irregular heart rhythms, speech therapy, and rehabilitation of
swallowing disorders. Potential projects involve analysis of ultrasound
signal and image data, performing imaging and therapy experiments, and
programming in MATLAB, in collaboration with a team of faculty, postdoctoral
trainees, and graduate and undergraduate students.