Ultrasound-guided Diffuse Light Imaging and Co-registered Ultrasound & Photoacoustic Imaging: Matching the Tool to the Cancer Site

Professor Zhu is a leading researcher in combining ultrasound and NIR diffuse light tomography for breast cancer diagnosis. She has also extended the technology to predict and monitor patients’ neoadjuvant chemotherapy response. These studies were highlighted in the 2007 & 2008 San Antonio Breast Cancer Symposiums and have received publicity in news release of the Radiological Society of North America, the prestigious Society of Radiology and Imaging in 2005 and 2010. In addition, professor Zhu and her team have developed several multimodality techniques for ovarian cancer detection and diagnosis.

In the 50/50 Lecture Series, notable scientists discuss both their research work and their unique career path in STEM (science, technology, engineering, and mathematics). Half of the speaker’s time will be allotted to her technical, educational, and research interests and the other half will be devoted to her career path. The 50/50 lectures are designed to inspire established and emerging STEM professionals to persevere not only by considering the example set by leaders in STEM but by looking at their own career holistically.

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