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TRANSLATING 3D OPTOACOUSTIC TOMOGRAPHY: FROM PRECLINICAL RESEARCH TO CLINICAL TRIALS

This lecture will discuss development and translation of optoacoustic imaging from the first works that set the basic principles of the technology to the first in vivo images in small animals, to the most recent advances in diagnostic imaging of breast cancer. We also present the design features and technical parameters of the optoacoustic imaging systems required for clinically viable devices. Finally we will present our vision of the future medical imaging modalities and their applications in the main stream medicine.

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