

Near-infrared fluorescence imaging in humans

The development of a new imaging modality with “first-in-humans” contrast agents requires the coalescence of several engineering and science disciplines for translation into the clinic. In this presentation, the “story” of idea conception and how we overcame technical challenges, regulatory constraints, and clinical obstacles to translate near-infrared fluorescence imaging from bench to bedside will be described. Future research areas for near-infrared fluorescence imaging and tomography will be highlighted.