Imaging Science Seminar

Image-guided focused ultrasound for brain drug delivery

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Abstract. Image-guided therapy (IGT), a central concept of 21st century medicine, is the use of medical imaging to plan, perform, and evaluate surgical procedures and therapeutic interventions. Focused ultrasound is a non-invasive therapeutic technology with the potential to transform the treatment of many medical disorders by using ultrasonic energy to target tissue deep in the body without incisions or radiation. Innovative therapeutic techniques have been developed using focused ultrasound as a technology platform. This talk will address technology development of image-guided focused ultrasound techniques for brain drug delivery.

Time: 8:30-9:30 a.m.
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Biography. Hong Chen joined the Washington University faculty in 2015 as an assistant professor of Biomedical Engineering in the McKelvey School of Engineering and Radiation Oncology at the School of Medicine. She came to the university from Columbia University, where she was a postdoctoral research scientist in the Department of Biomedical Engineering. She earned her Ph.D. in bioengineering from the University of Washington. For more information about her lab, please visit http://chenultrasoundlab.wustl.edu/