

Opening:
Imaging Feedback for Histotripsy Ablation of Renal Tumors

Department of Radiology
University of Chicago
Chicago, IL

The Biomedical Acoustics Development and Engineering Research Laboratory seeks personnel at the technician in the field of image-guided focused ultrasound therapies for the treatment of renal tumors. More advanced candidates at the postdoctoral level will also be considered. The overall goal of this American Cancer Society-funded project is to develop an image-guided histotripsy technique for rapid ablation of renal cell carcinoma and neuroblastoma to decrease patient morbidity and mortality. This work will integrate technological advances in ultrasound imaging, computer vision, and advanced robotics to assist in the development of methods to improve clinical outcomes of tumor ablation with focused ultrasound technology. Further information on the project can be found at baderlab.uchicago.edu.

A degree in biomedical/electrical/mechanical engineering, physics, or a related field is required. Proficiency in experimental and numerical techniques, and data acquisition and analysis are also required. The candidate must be highly motivated, have excellent written and verbal communication skills, and enthusiasm to work in a multi-disciplinary team. Preference will be given to candidates with demonstrated experience and productivity in ultrasound-guided therapies and cavitation dynamics.

Interested candidates should upload a curriculum vita, cover letter addressing current research interests and dates of availability, and the names and contact information for three references to the link embedded [here](#).

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