Post Doc Opening:
Treatment of Chronic Thrombus with Histotripsy and Thrombolytics
Department of Radiology
University of Chicago
Chicago, IL

The Biomedical Acoustics Development and Engineering Research Laboratory seeks a postdoc in the field of image-guided focused ultrasound therapies for the treatment of venous thrombosis. The overall goal of this NIH-funded project is to harness the physical mechanisms of histotripsy as an adjuvant to the thrombolytic drug rt-PA to treat chronic deep vein thrombosis. The post doc will conduct benchtop and translational in vitro and in vivo. Further information on the project can be found at baderlab.uchicago.edu.

A Ph.D. 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. Preferred skills include experience with signal processing, programming in a high-level computing language (MATLAB preferred) for control of instrumentation, hardware and software design, and wet lab analytic techniques (e.g., flow cytometry, histopathology). In addition, the candidate will have experience with in vivo models of disease. 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.

Motivated candidates should submit a curriculum vitae to Dr. Kenneth Bader at baderk@uchicago.edu, and should use the subject line “NHLBI Postdoc.” Compensation in the Biological Sciences Division follows the NIH NRSA Stipend scale. Additional information on benefits and being a postdoc in the University of Chicago Biological Sciences Division can be found at https://bsdpostdoc.uchicago.edu/.

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