A post-doctoral research position is available in the MR Laboratory of Dr. Donghoon Lee, Department of Radiology, University of Washington (UW). Our laboratory is in strong research collaboration with groups from Department of Medicine and Applied Physics Laboratory to investigate MR guided Focused Ultrasound (MRgFUS) mediated drug delivery for pancreatic cancer treatment. Our research focuses on methods development for MRgFUS and multi-parametric MRI to achieve targeted drug delivery using mild hyperthermia mediated by MRgFUS. In addition we have developed MR methods for preclinical studies of cancers and muscular dystrophy. The research will be conducted mainly at the South Lake Union Campus of UW Medicine using various MR systems including a 14T vertical bore MR system (Bruker Avance III), 3T MRI scanner (Philips Ingenia and Sonalleve MR-HIFU) and 4.7T MR system (Bruker BioSpec).

The candidate must have a Ph.D. in physics, engineering, or related field with strong written/oral communication skills and strong training and experience in MRI/MRS and/or MRgFUS. The successful candidate will develop quantitative MRI/MRS methods and Focused Ultrasound approaches to monitor disease progression and treatment response in animal models of cancers and muscular dystrophy. The candidate will have opportunities of multi-modality imaging studies in collaboration with imaging groups in the University of Washington and cancer research groups in the Fred Hutchison Cancer Research Center.

The interested candidate should send a CV, contact information of 3 references and cover letter that includes a short statement of research interests to Dr. Lee.

Contact information:

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