Postdoctoral Fellowship in MRI Physics – Metabolic Imaging with Hyperpolarized Pyruvate

We seek a highly motivated candidates for a Postdoctoral Research Fellowship in the Department of Imaging Physics at The University of Texas M.D. Anderson Cancer Center in Houston, Texas. Fellows will participate in a highly productive multi-disciplinary research program developing novel dynamic imaging and spectroscopic imaging techniques for hyperpolarized substrates, and applying these technologies to enhance our understanding of cancer. Research will be carried out using a HyperSense dissolution DNP system adjacent to a 7T Biospec preclinical MR scanner, and a SpinLab dissolution DNP system adjacent to a GE 3T MR750 scanner, among a breadth of other imaging instrumentation and research resources. The fellow will have an opportunity to contribute to ongoing basic and translational research projects and will be encouraged to explore and develop new ideas.

The successful candidate should have a Ph.D. in engineering or physics and a strong background in medical imaging and/or MRI. Experience with RF coils and systems, pulse sequence programming, data reduction methods and/or fast imaging is a plus. We invite candidates to submit a CV along with three references and a brief description of recent research interests and activities to:

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