Postdoctoral Research Position in Metabolic Imaging Research at UT Southwestern

Two postdoctoral positions are available in the laboratory of Jae Mo Park, Ph.D. in the Advanced Imaging Research Center (AIRC) at UT Southwestern Medical Center. Our laboratory has several exciting projects related to the development of novel $^1$H-MRI/$^{13}$C-MRSI tools to elucidate in vivo metabolism of normal and pathological states.

**Research Environment:** Clinical (GE 3T 750w and Philips 3T/7T), preclinical MR scanners (4.7T/7T/9.4T Agilent), DNP Polarizers (SPINlab, HyperSense, and Swiss Sense), chemistry labs and analytical NMR spectroscopy labs are available for research. There is also opportunity for research collaboration with multidisciplinary experts including clinicians, chemists, biochemists, and imaging scientists.

**Job Description and Candidate Qualification:** Candidates are expected to (1) develop $^{13}$C MR spectroscopic imaging and/or advanced $^1$H MR imaging methods for preclinical/clinical studies, (2) perform in vivo experiments, and (3) optimize pulse sequences and reconstruction algorithms for clinical translation. Candidates must have Ph.D. in Electrical Engineering, Bioengineering, Physics, or relevant fields. Pulse sequence programming (GE, Agilent and/or Philips systems) and strong computer skills (Linux/Unix/MATLAB/C) are highly desirable. Experience in RF pulse design, motion correction, or accelerated acquisition is preferred.

To be considered for the position, please send your CV, statement of interests, and three references to:

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*UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.*