UT Southwestern Medical Center

Postdoctoral positions to advance hyperpolarization with parahydrogen (physics/engineering)

Two postdoctoral training positions are available in the laboratory of Stefan Gloeggler, in the Advanced Imaging Research Center at UT Southwestern Medical Center to investigate the hyperpolarization with parahydrogen and develop new experimental setups for biomedical studies and preclinical applications.

Research project:

- Developing a new hyperpolarization device using parahydrogen at low magnetic fields
- Develop magnetic resonance sequences for efficient hyperpolarization experiments
- Investigate and hyperpolarize new compounds developed by the chemistry team of the Gloeggler lab
- Develop biomedical applications from cells to preclinical in vivo models

Qualifications:

Candidates must hold a Ph.D. degree, preferably in physics, engineering or related disciplines. Experience in hardware development including low field magnetic resonance and radiofrequency engineering, spin physics and/or hyperpolarization is desirable.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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