Postdoctoral Researcher Position / Novel Endogenous Contrast Mechanisms

A postdoctoral training position is available in the laboratory of Elena Vinogradov, Ph.D., in the Department of Radiology and Advanced Imaging Research Center (AIRC) at UT Southwestern Medical Center. Our laboratory (https://www.utsouthwestern.edu/labs/vinogradov/) is focusing on the development of new endogenous contrast mechanisms, with emphasis on the development and application of CEST and MT in cancer and neurodegenerative diseases. The project will predominantly focus on breast cancer application and will include development of new pulse sequences, image analysis and theoretical models development. The research will be primarily conducted on the whole body 3T Philips scanners.

Outstanding research resources are available in Radiology and the AIRC; including whole body 3T and 7T human scanners, small animal magnets, microPET, micro CT, optical imaging devices, high-resolution NMRs, electronics lab and machine shop.

Candidates must hold a Ph.D. in physics, chemistry, biology or the related field. Experience in and strong MRI or NMR background with publications in peer-reviewed journals is recommended. Experience with pulse programming (such as Philips or Varian) is not mandatory, but would be of an advantage.

Information on our postdoctoral training program and benefits can be found in our Postdoc Handbook or 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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UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

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