Postdoctoral Researcher Position / CEST-MRI

A postdoctoral training position is available in the laboratory of Elena Vinogradov, Ph.D, in the Department of Radiology 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 ihMT in cancer and neurodegenerative diseases.

The project will predominantly focus on CEST applications in the body (breast and kidneys cancer) and will include development of new pulse sequences, image analysis and development of theoretical models. The research will be primarily conducted on the whole body 3T Philips scanners.

Outstanding research resources are available at UTSW; 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. Programming skills are recommended. 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:
Elena Vinogradov, Ph.D.
elena.vinogradov@UTSouthwestern.edu

https://www.utsouthwestern.edu/labs/vinogradov/
https://profiles.utsouthwestern.edu/profile/131699/elena-vinogradov.html

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Deirdre L. Buckna

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