



Postdoctoral Scholar in Neuroimaging

A postdoctoral training position is available in the laboratory of *Dr. Binu Thomas, PhD* [Faculty profile – UT Southwestern](#), in the *Advanced Imaging Research Center (AIRC)* and *Department of Radiology* at UT Southwestern Medical Center to study risk of Alzheimer's disease and dementia in older people living with comorbidities like high blood pressure, diabetes and obesity. Our laboratory: '[Brain Function Imaging Lab](#)' has several exciting projects related to the following:

1. Diabetes and obesity' in aging and effect of weight loss on brain function.
2. Heart failure with preserved Ejection Fraction (HFpEF) and treatment effect on the brain.
3. Age related hearing loss and effect of hearing aid intervention on risk of Alzheimer's.

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in the following:

- MRI image data analysis and statistics.
- Software packages: neuroimaging (AFNI, FSL, SPM, FreeSurfer etc.), statistics (RStudio, Jamovi etc.).
- Matlab, Python, other programming and Linux, UNIX OS.
- ASL perfusion, cerebrovascular reactivity, resting-state fMRI, SWI/QSM, DTI analysis.
- Scientific peer-reviewed journal article writing.

AIRC is a world-renowned imaging center with cutting edge facilities equipped with multiple research-dedicated MR scanners, including three human 3 T (Philips, Siemens and GE), one human 7 T (Philips), an RF engineering lab, etc.

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, and a brief statement of interests to:

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'[Brain Function Imaging Lab](#)'

[Faculty profile – UT Southwestern](#)

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