Four post-doctoral fellowships are available in the Radiology Department, Second Affiliated Hospital of Shantou University Medical College, China.

We are seeking four highly motivated postdoctoral fellows in the field of MR molecular imaging funded by National Natural Science Foundation of China (NSFC). Postdoctoral fellows will work with Drs. Renhua Wu, Wenbin Zheng, Yan Lin and Jitian Guan to develop the cutting-edge high-field MR molecular imaging technology and related disease screening biomarkers for early diagnosis in neurodegenerative diseases, tumor diseases, infectious diseases and cerebrovascular diseases. Specifically, there are several on-going projects in our lab that postdoc candidates can choose to work on:

1. Investigation of brain metabolites and glymphatic system in Alzheimer’s disease based on MR molecular imaging
2. NMR-based metabolomics fingerprinting to screen for biofluids metabolic biomarkers in GI tract tumors
3. CEST MRI for Investigating Central Nervous System Pathology
4. Advanced preclinical MR imaging and cancer imaging
5. Novel pulse sequences for in vivo applications

Facilities and Location: Available on-campus resources include multiple research-dedicated MRI scanners (one small animal 7T scanner and a few human 3T scanners), 400/500 MHZ NMR spectrometer, LC/GC-MS, high-performance scientific computing clusters, an extensive library of analytic and statistical software, etc. The main campus of Shantou University is located in Shantou City of Guangdong Province, which is situated on the west coast of the Pacific Ocean. Long coastal lines and a pleasant subtropical marine climate provide the city with many charming tourist attractions.

Candidates should either have completed or be near completing a PhD in biomedical engineering, radiology, computer science, deep learning, or related fields. Excellent experience in MR sequence programming, data acquisition and processing are expected. Proficiencies with Matlab, C++ and/or R programming languages are particularly welcome. The initial employment period for this position is two years, with the possibility of extension. These positions will remain open until filled and is renewable on an annual basis. Annual salary is $80,000-128,000, which is competitive and commensurate with experience and academic achievement.

To apply, please submit your CV and brief statement of career goals to:

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