Postdoctoral researchers and visiting scholars at University of Maryland School of Medicine

The University of Maryland Center of Advanced Imaging (http://www.medschool.umaryland.edu/mcair/) at Department of Diagnostic Radiology and Nuclear Medicine, University of Maryland School of Medicine invites highly motivated applicants for two open postdoctoral researchers (one for MR physicist and the other for neuroimaging analysis) and visiting scholar positions. The center was grand opened in Mar 15th and is located in the brand-new Health Research Facility III building. The major facility of the center includes a research dedicated Siemens Prisma 3T MR scanner, a PET-MRI, and several high performance computing systems.

The listed positions are immediately available in Dr. Ze Wang’s lab. Current major research in Wang’s lab includes Arterial Spin Labeling Perfusion MRI, neuroimaging signal processing, neuroimaging in Alzheimer’s Disease and Addiction. Part of past publications can be found in https://scholar.google.com/citations?user=gkt9bZ4AAAAJ&hl=en while the official webpage in UM SOM is currently in process.

Applicants should have a background of Electrical Engineering, Computer Science, Physics, Mathematics, or Biomedical Engineering. Post-doc and visiting scholars must have an advanced degree (Ph.D.) in one of these fields. Ideal candidates for the post-doc positions should have experience in one of the following categories: 1) MR pulse programming, 2) image reconstruction, 3) fMRI, structural MRI including diffusion MRI data processing using one the mainframe software packages (FSL, SPM, FreeSurfer etc), 4) machine learning including deep learning. Skills with C/C++ is necessary for the MR physicist direction, optional for others. Matlab or Python experience will be a minimum. The candidates are also expected to have good communication and writing skills. Knowledge about longitudinal analysis will be a plus for the fMRI related position. Visiting scholars are expected to have neuroimaging background. Skills of using the mainstream neuroimaging processing software packages are highly preferred.

To apply, please send a CV, your research statement, and contact information of 3 referees to Dr. Ze Wang, at ze.wang@som.umaryland.edu.

For those who are going to attend ISMRM 2019 in Montreal, we can meet in the convention center if needed.