Postdoctoral Position on Brain Injury in Contact Sports

Applications are invited for a postdoctoral position in the ANSIR lab [ANSIR Lab], University of Texas Southwestern Medical Center, Dallas, TX USA in the area of quantitative analysis of multimodal neuroimaging (MRI, MEG, EEG), biomechanical, and cognitive data from contact sports. The research topic is to discover the neuronal imaging correlates of the cumulative effect of repeated sub-concussive head impact in contact sports and the effect on cognition and brain health. The candidate will benefit from membership in vibrant national and international research communities through our on-going collaborations with UPenn, UCLA, Children's National in Washington DC, Univ. of Washington, Wake Forest Univ., Philips and Siemens Research, as well as a large local neuroscience community at UTSW's O'Donnell Brain Institute, and UTD's Centers for Brain Health, Brain Performance, and Vital Longevity. The candidate will also benefit from membership in a diverse group including neuroradiologists, neuroscientists, geneticists, psychiatrists, physicists, biostatisticians, and computer scientists and from exposure to our group’s previous work on medical image analysis.

The salary compensation is very competitive and is enhanced by the relatively low cost of living in Dallas. The position is a fully funded 2-year post with health insurance. The funding for this position is stable and drawn from multiple start-up packages and R01 NIH grants. Visa assistance is available for international applicants. This is an excellent opportunity to launch your career: hone skills in research, teaching, leadership, grant writing, while receiving close mentorship from multiple professors and clinicians and a lively UTSW postdoctoral association. UTSW is ranked in the Top 25 Best Places to Work for Postdocs (The Scientist).

QUALIFICATIONS: A Ph.D. is required and the successful candidate will have a strong background in Computer Science, Neuroscience, Biomedical Engineering (particularly biomechanical), Electrical Engineering or related field, preferably with emphasis on image processing and analysis. Experience in one or more of the primary neuroimaging software pipelines (SPM, FSL, AFNI, or FreeSurfer), linear mixed modeling, connectome type analysis of diffusion and functional MRI is highly desirable. Researchers with a background in multi-modal analysis (MEG, EEG and MRI), and machine learning are particularly encouraged to apply. Strong programming skills (working knowledge of Linux, Python, Matlab, C/C++) is desirable.

For consideration, please submit your application preferably as one single PDF-document including cover letter, detailed CV with publication & reference lists, a concise description of research interests & career goals, and academic transcripts to both:

Prof. Joseph Maldjian [Joseph.Maldjian@UTSouthwestern.edu] and
Prof. Albert Montillo [Albert.Montillo@UTSouthwestern.edu]
with the subject line:"PostDocFellow-TBI: (your name)".
Applications will be reviewed immediately until the position is filled.

UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.