Postdoctoral Position on Imaging Genetics

Applications are invited for a postdoctoral position in the ANSIR Lab, University of Texas Southwestern Medical Center, Dallas, TX USA in the area of imaging genetics involving the development of algorithms for the identification of novel multi-modal (imaging and genetic) feature combinations and probabilistic models that explain such imaging-genetic interactions and facilitate diagnoses and prognoses in neuropsychiatric, neurodegenerative, and neurodevelopmental brain disorders.

The successful candidate will be co-mentored by and closely collaborate with:

- Prof. Albert Montillo (integrative machine learning, multivariate pattern analysis, imaging statistics)
- Prof. Joseph Maldjian (neuroimage analysis)
- Prof. Genevieve Konopka (neuroscience and genetics)
- Prof. Marco Pinho (neuroradiology)

Research success is enhanced through our existing large growing databases with same-subject imaging-genetic information as well as available research-dedicated human and animal scanners. 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 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 Statistics, Applied Math, Computer Science, Neuroscience, Electrical Engineering or related major, preferably with an emphasis on one or more of probability theory, genetics, or machine learning. Experience on probabilistic graphical models, dimensionality reduction, and sparse learning is highly desirable. Researchers with image processing pipelines and gene expression analysis are particularly encouraged to apply. Strong programming skills (working knowledge of Linux, C/C++, Python, Matlab) 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
Prof. Albert Montillo Albert.Montillo@UTSouthwestern.edu
with the subject line: "PostDocFellow- ImgGen: (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.