GRA position: Machine Learning for Vasculature-based Computational Biomarker Discovery

We are looking for an exceptional candidate to develop and apply the next generation of machine learning-based image analysis algorithms on real world datasets involving 2D/3D vasculature structures in brain and retina images.

The successful applicant will join dynamic faculty at the UTHealth School of Biomedical Informatics and McGovern Medical School who are active in cutting edge translational research to solve the next generation of unsolved medical needs. The applicant will have access to expertise at the crossroads of computer science, medicine and informatics under the supervision of Dr. Luca Giancardo at the School of Biomedical Informatics.

EXPERTISE:
- Python programming with scientific libraries (e.g. NumPy, Pandas, Matplotlib)
- Image analysis
- Machine learning libraries (e.g. scikit-learn)
- Deep learning libraries (e.g. pyTorch, Keras, tensorflow)
- Experience with neuroimaging packages (e.g. Slicer, FSL)

For more information send cover letter, CV and representative publication to: luca.giancardo@uth.tmc.edu