



Radiology and Imaging Sciences National Institutes of Health Clinical Center



Staff Scientist Radiology Machine Learning/Image Understanding

The NIH Imaging Biomarkers and Computer-Aided Diagnosis Laboratory is **world-renowned**, with recent successes including public release of the [NIH Chest X-Ray Dataset](#), the [DeepLesion Dataset](#) and multiple MICCAI and CVPR papers. We are seeking a Staff Scientist to support our research and clinical efforts in machine learning/image understanding (large scale robust statistical learning, deep learning, and pattern mining from medical images and patient reports, semantic organ/pathology segmentation, registration, volumetric visualization and algorithm development), image processing, informatics (natural language processing) and computer-aided diagnosis (feature extraction, classification, database development, ROC analysis, validation). In particular, advanced skills in 2D/3D/4D image parsing, segmentation, and building high performance computer-aided detection systems are sought. The incumbent will work closely with a team of computer scientists, engineers and radiology technologists and mentor post-doctoral and other trainees. In addition to performing collaborative research, the incumbent will interact closely with the PACS/RIS section, the Clinical Image Processing Service and the clinical staff in Radiology and other NIH departments.

Applicants with a proven track record as evidenced by peer-reviewed publications on medical imaging applications of machine learning/image understanding and having advanced mathematical and computer skills are encouraged to apply. Demonstrated expertise in deep learning frameworks, in addition to C/C++, Matlab and/or Python, are required. The candidate should have a Ph.D. in Computer Science, Electrical or Biomedical Engineering, Mathematics, Biophysics or Physics. The ideal candidate will have outstanding research experiences or achievements in leading industrial/academic research labs or have completed a productive post-doctoral fellowship at a top-tier program. Salary commensurate with experience. Applications should include a CV, brief statement of research interests, and three letters of reference.

This is a Title 42 federal appointment in the excepted service. This appointment offers federal benefits. A full benefits package includes retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.

HHS and NIH are Equal Opportunity Employers. Selection for this position will be based solely on merit, without discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, sexual orientation, physical or mental handicap, age or membership or non-membership in an employee organization. All applicants will be subject to a background investigation.

Address applications to:

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