Deep Learning Postdoctoral Fellowship in Cancer Imaging and Radiology
Department of Radiology, Northwestern University, Chicago, IL, USA

The Quantitative Imaging Core Lab (QICL) of Department of Radiology at Northwestern University Feinberg School of Medicine is seeking a full-time Deep Learning postdoctoral fellow in Cancer Imaging and Radiology.

We are seeking a highly motivated individual with a PhD degree in Machine Learning, Artificial Intelligence, or equivalent degree in a field deemed relevant by the program. Research topics include development of new AI models for early tumor detection and classification, assessment of tumor response to therapy, or related topics. Significant expertise with at least one deep-learning framework (e.g., PyTorch or TensorFlow) and experience developing and testing deep learning networks is required. Familiarity of the existing deep-learning models and the state-of the art literature is required. Knowledge of multimodal fusion with deep neural networks will be highly appreciated. Publication record in top-tier journals is expected. Excellent written and verbal English communication skills desired given the frequent discussions with different research teams from various domains, e.g., radiology, hepatology/oncology, and pathology.

This position offers great opportunities to be part of a highly energetic multidisciplinary group conducting interdisciplinary research at the intersection of cancer imaging, artificial intelligence, and cancer clinical trials. Candidates who seek academic careers will have excellent growth opportunities to develop early career projects and apply for career development and research grants. Expected starting date – March 1, 2023. The position will remain open until filled. This offer of fellowship and the start date are subject to change depending on the COVID-19 situation.

To apply, please submit a cover letter describing your interest and alignment with the position, Curriculum Vitae, and list of scientific publications to Dr. Yuri Velichko (y-velichko@northwestern.edu). Please include a list of referee names who could write letters of reference on your behalf.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.