



Research Fellow – CT Physics

Mayo Clinic in Rochester, MN invites you to apply for a Research Fellow position in the CT Clinical Innovation Center.

The Department of Radiology at Mayo Clinic in Rochester, Minnesota is seeking a qualified, postdoctoral Research Fellow for the multi-disciplinary CT Clinical Innovation Center directed by Dr. Cynthia McCollough. The successful candidate must hold a Ph.D. degree in Medical Physics, Biomedical Engineering, Electrical and Computer Engineering, Applied Physics, or a related field.

Candidates should have an established background in X-ray physics and imaging science and experience in computed tomography (CT) image reconstruction. Expertise in the development of machine learning algorithms for medical imaging applications is essential. Excellent programming skills are required. Candidates should be proficient in programming with python, TensorFlow, and MATLAB. Knowledge of PyTorch, Git, and Docker is preferred. Candidates must have a record of research publications and have excellent oral and written English communication skills. The successful candidate will be expected to publish significant research findings and participate in the lab's applications for extramural funding.

For information about the CT Clinical Innovation Center, visit: <http://www.mayo.edu/research/centers-programs/ct-clinical-innovation-center>.

RESPONSIBILITIES: A Research Fellow at Mayo Clinic is a temporary position intended to provide training and education in research. Individuals will train in the research program of a Mayo Clinic principal investigator. Qualified individuals will demonstrate the potential for research as evidenced by their training and peer-reviewed publications and should become competitive for national research grants. Proof of English proficiency is required for J-1 Short-Term Scholars, Research Scholars, Professors, Specialists, and Student Interns sponsored by Mayo Clinic.

MAYO CLINIC is a leading academic medical and research center with an annual research budget of more than \$625 million. As a whole, our institution has more than 600 postdoctoral fellows working with more than 190 world class investigators across our locations in Minnesota, Arizona and Florida. Mayo Clinic Research Fellows and Research Associates have the opportunity to be exposed to a wide range of fundamental and translational biomedical research projects available within our state-of-the-art facilities.

TO APPLY or learn more about this position, please visit www.mayoclinic.org/jobs and reference job posting #301100.