



FDA-ORISE RESEARCH FELLOW POSITION IN MACHINE LEARNING FOR RADIOLOGICAL IMAGE RECONSTRUCTION

The Division of Imaging, Diagnostics, and Software Reliability (DIDSR) at the Office of Science and Engineering Laboratories (OSEL) in FDA is currently seeking a highly qualified candidate to fill a research fellow position in machine learning for radiologic image reconstruction. *Candidates should have a graduate degree earned within the past five years* in a relevant field such as computer science, physics, electrical engineering, biomedical engineering, or applied mathematics. Preferred candidates should have demonstrated academic or professional experience with some of the following:

- medical image reconstruction in CT, MRI, PET/SPECT, or Ultrasound.
- developing and analyzing machine learning and deep learning methods (CNN, RNN, GAN, etc.),
- programming with languages such as Python (including scientific stack: NumPy, SciPy, scikit-learn, etc.) or C, and deep learning frameworks (TensorFlow, PyTorch, etc.),
- speaking, writing, and communication in English.

The selected research fellow will have a chance to interact with a multidisciplinary group of scientists, including biomedical and electrical engineers, physicists, and mathematicians within the division, and to learn about regulatory science issues at the FDA.

The position is available immediately and located in the FDA White Oak campus in Silver Spring within the metropolitan DC region. *The position is for one year but renewable for the second year*, with a potential to be converted to FDA staff researcher if successful performance is demonstrated. US citizenship/permanent residency is not a requirement. However, *the selected research fellow must meet applicable security requirements which include a background check and a minimum of 3 out of the past 5 years' residency status in the US.*

Apply by email to rongping.zeng@fda.hhs.gov including CV, three reference contacts and a cover letter using the words "Machine learning: image reconstruction" in the email Subject field.