

Jon Nye, PhD



Jon Nye received his BS in Nuclear Engineering in 2001 from the University of Wisconsin and PhD in Medical Physics in 2005 from the same institution. From 2005-2007, he completed a post-doc fellowship under the mentorship of John Votaw at Emory University and afterwards joined the faculty in the Department of Radiology and Imaging Sciences. Jon is an associate professor of Radiology and Imaging Sciences at Emory and adjunct faculty in medical physics at the Georgia Institute of Technology. He is director of PET instrumentation at Emory's Center for Systems Imaging and head of nuclear physics at the Yerkes National Primate Research Center. In 2014, Jon formed Emory's CAMPEP accredited medical physics imaging residency, a collaborative program between Emory and two private consulting groups in the Atlanta metro area and serves as the director of the program.

He is active in the American Association of Physicists in Medicine, serving as chair of the workgroup on periodic review of medical physics training as well as service on several other educational committees. In addition, Jon has volunteered for many years with the American Board of Radiology, Society of Nuclear Medicine and Molecular Imaging and American College of Radiology.

Jon's research focuses on the use of hybrid imaging (PET/CT, PET/MR) to evaluate radiotracer pharmacokinetics and function in response to psychosocial interventions. He is particularly interested in developing mathematical models to estimate receptor function, connectivity and blood flow in the brain and body.