A research opportunity is available with the U.S. Department of Health and Human Services, Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Neurotoxicology in the Office of Research. NCTR is seeking a highly qualified scientist to assist with ongoing research projects into the imaging biomarkers of toxicity and drug safety. The successful candidate will participate in multi-disciplinary research efforts in a nationally recognized research program in support of FDA’s mission. Primary responsibilities for this position will be to conduct preclinical magnetic resonance imaging (MRI) and spectroscopy (MRS) assessments of small rodents (rats) during their exposure to various neurotoxicants including nicotine and tobacco smoke. A major focus of the research will involve the use of MRI/MRS methods to acquire in vivo data and/or the use of sophisticated mathematical algorithms and tools to provide comprehensive image analysis and construct specialized toolboxes for quantitative imaging biomarkers development and their potential qualification.

The NCTR, located approximately 30 miles southeast of Little Rock conducts FDA mission-related research that is of critical importance to the Agency in developing a scientifically sound basis for regulatory decisions. Over 110 Ph.D. scientists and 400 support scientists, on-site-contractors and administrative staff make up a dynamic group of professionals in the NCTR organization. Undergraduate and graduate students, post-doctoral fellows and visiting scientists also pursue education and research opportunities in a multi-disciplinary team atmosphere. For more information on NCTR research and training activities, visit http://www.fda.gov/NCTR.

This position requires a Ph.D., M.D., or equivalent, in the fields of Medical Physics, Medical Engineering, Toxicology, Mathematics, or similar with an emphasis on magnetic resonance imaging and/or image analysis. Preference will be given to individuals with a demonstrated record of relevant accomplishments. Evidence of effective organizational and decision-making capabilities and interpersonal and communication skills are required. The stipend will be approximately $59,000 annually.

The selected candidate for this position will be appointed by the Oak Ridge Institute for Science and Education (ORISE); it is not a federal government appointment. Interested individuals should send a letter of application with a curriculum vitae, statement of research experience and interests, a sample of peer reviewed publication(s), and names of three references with complete
contact information to the attention of Serguei Liachenko, M.D., Ph.D., Director of Bio-imaging, Division of Neurotoxicology, National Center for Toxicological Research/FDA, 3900 NCTR Road, Jefferson, Arkansas 72079; phone 870-543-7009; fax 870-543-7745; Email: Serguei.Liachenko@fda.hhs.gov. Applications will be accepted until the position is filled. FDA is an Equal Opportunity Employer. FDA/NCTR is a smoke free environment.