The FDA National Center for Toxicological Research invites applications for a postdoctoral research associate position based in Jefferson, Arkansas, focusing on quantitative modeling applications. The National Center for Toxicological Research (NCTR) is the only FDA Center located outside the Washington D.C. metropolitan area. The one-million square foot research campus in Jefferson, Arkansas plays a critical role in the missions of FDA and the Department of Health and Human Services to promote and protect public health. Regulatory science researchers, academia, and other regulatory science research organizations and groups from around the world investigate, learn, and train at the Federal facility. NCTR, FDA's internationally recognized research center, plays a critical role in FDA's mission. The unique scientific expertise of NCTR is critical in supporting FDA product centers and their regulatory roles. General information of the center can be found at [www.fda.gov/AboutFDA/CentersOffices/OC/...](http://www.fda.gov/AboutFDA/CentersOffices/OC/...).

Duties and Responsibilities: The successful candidate will conduct applied research of interest to FDA with quantitative modeling in collaboration with other scientists in the center. Current projects include modeling the impact of deep sequencing on precision medicine applications, mining regulatory databases for disease dynamics, network analysis, and predictive toxicology. Method development, programming, data analysis, and manuscript preparation are expected for this position.

Position Qualifications: The candidate should have a Ph.D. degree (within the last five years) with training in quantitative modeling. Candidates from statistics, biology, chemistry, mathematics, computer science, or other related fields are encouraged to apply. Familiarity with mathematical modeling (deterministic or statistical), Monte Carlo simulation, statistical concepts and good programming skills are desirable (some skills can be obtained on the job, so a candidate is not required to have everything listed). Strong work ethics and good communication skills are expected. We also encourage students who have conducted Ph.D. research in other scientific areas but want to gain experience in human health to apply.

Both domestic and international candidates will be considered. International candidates are required to have spent at least three years during the last five in the United States to qualify.

Application Information: Please send the CV and a cover letter to dong.wang@fda.hhs.gov