

Post-Doctoral Fellowship in Data and Implementation Science

Location: University of Maryland School of Pharmacy, Baltimore Maryland

Description: Post-doctoral fellowship in data and implementation science available starting immediately at the University of Maryland, Baltimore, School of Pharmacy, in the Department of Pharmaceutical Health Services Research. The fellowship provides multidisciplinary, advanced training to researchers and clinicians, and prepares fellows for data and implementation science positions in academia, government, and the consulting, pharmaceutical and insurance industries.

Fellows will engage in implementation science research, analyses of large claims and electronic health record data sets, including social determinants of health, for epidemiologic and pharmaco-economic studies and comparative effectiveness research, with activities funded by the FDA, MDH, BHA, SAMHSA, AHRQ, PCORI, NIH, foundations, and private corporations.

Training includes mentored research, grant-writing, publication, presentation, and teaching experiences; it may also include coursework. This position involves working closely with on-campus and external partners.

Fellows receive benefits and a competitive salary.

Qualifications: Doctoral level degree in Computer Science, Bioinformatics, Biomedical Informatics, Biostatistics, Epidemiology, Economics, Operations Research, Health Services Research or related analytical field is required. Excellent communication, organizational, and time-management skills are a must. Research grant writing experience is highly desired.

Additional requirements include:

Expertise in machine learning, deep learning, natural language processing and other AI methods in health and life sciences datasets

Proficiency in causal inference modeling and other advanced statistical approaches in econometrics, outcomes, or health services research

Expertise in advanced computational methods such as network analysis, graph databases and structured and unstructured data mining tools

Knowledge of SAS, R, Python, and SQL, or data visualization software required

Knowledge of open/public/private databases including but not limited to clinical trials and drug databases

The University of Maryland is an equal opportunity employer.

How to Apply: Applicants should submit by email*, a letter of interest, a CV, and two letters of recommendation. Review of applications will start immediately. Finalist interviews will take place following telephone screening interviews.

F.T. Shaya, PhD, MPH

Professor and Data Science Fellowship Director

*Email: fshaya@rx.umaryland.edu