Position available within the Perera Laboratory for a **Postdoctoral Scholar** specialized in the biomedical applications of machine/deep learning (position is grant funded). Our laboratory focuses on the pharmacogenomics of drug response in cardiovascular medicine and hepatic drug metabolism in minority populations. The ideal candidate would have a good understanding of RNA-seq analysis, differential gene expression, eQTL analysis, and statistical genetics. This is a highly collaborative clinically focused lab, with opportunities for to interact with statistical genetics, cancer biology, and cardiology.

We are looking for a self-motivated postdoctoral fellow who can take initiative in forging machine learning methods for the prediction of disease outcome/drug response using the lab's unique multi-omics datasets. Requirements for the position include:

- Ph.D.degree
- Expert understanding of machine learning algorithms and their application on biomedical research
- Proficiency in programming with preference to Python and R programmers; GPU programming is a plus.
- Knowledge in bioinformatics or computational biology strongly preferred.
- Skills and experience with a variety of next generation sequencing data types is required including gene expression analysis using RNA-Seq and exome/genome data analyses.
- Prior experience working with large-scale datasets using high performance computing environments is a desirable.
- Ability to train others required.
- Verbal and written communication skills required.
- Demonstrated ability to work independently and as part of a team.
- A strong work ethic and commitment to timely delivery of results is essential.
- Eligibility to work in the US is required

Applications, including curriculum vitae and bibliography, summary of past accomplishments, and 3 signed reference letters, should be emailed to:

Minoli Perera Pharm.D, PhD
Associate Professor, Department of Pharmacology
Email: minoli.perera@northwestern.edu
Northwestern University
303 E. Chicago Ave.
Ward 9-188
Chicago IL, 60610

For more information on your lab can be found at: http://pereralab.strikingly.com

Northwestern University is a not-for-profit organization that integrates research with clinical practices and education in multi-campus environment. We offer an attractive benefit package. Salary will be determined by the candidate's experience. *Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.*