



Postdoctoral Research Fellowship in Quantitative Health Sciences



Duties and Responsibilities: The Department of Quantitative Health Sciences (QHS) at the Cleveland Clinic is seeking one driven and enthusiastic applicant with an interest in using quantitative approaches to drive advancements in precision medicine to join Dr. Daniel Rotroff's research group. An ideal candidate should enjoy working in an interdisciplinary environment and have a background in bioinformatics, pharmacogenomics, statistics, biostatistics, or computational biology.

A highly supportive and dynamic environment will be provided to help in the transition to an independent research career. QHS is located in the Lerner Research Institute of the Cleveland Clinic and consists of an active group of >90 QHS faculty, biostatisticians, analysts, data scientists, and programmers working in diverse areas of biomedicine. The Cleveland Clinic is currently ranked as the No. 2 hospital in the country by U.S. News & World Report (2017-2018).

Dr. Rotroff's lab is focused on finding new and creative ways to develop predictive signatures of adverse outcomes and drug response in complex diseases. Specific areas of interest include, but are not limited to, new approaches for identifying subtypes within disease classifications (e.g., type 2 diabetes) and developing whole genome prediction models. The successful applicant will have opportunities to lead projects, publish papers, occasionally be involved in grant writing, collaborate with clinicians and basic scientists, attend national conferences, and work with data from multiple -omics platforms including genomics, epigenomics, metabolomics, and data from electronic health records.

Position Qualifications: The applicant should have a Ph.D. degree in one of the following areas: Bioinformatics, Statistics, Genetics, Biostatistics, Computer Science, Computational Biology, or a related field. Programming experience in R or scripting languages such as Python/Perl on Unix/Linux is required. An ideal candidate will also have knowledge in genetics, pharmacology, and/or pathology, but is not required. Domestic and international applicants are eligible.

Salary Range: Salary is competitive and commensurate with qualification. Benefits will be in accordance with Cleveland Clinic standard postdoctoral benefits.

Application Address: Interested applicants should send the following documents to Dr. Daniel Rotroff at rotrofd@ccf.org:

1. A cover letter
2. Statement of research interest
3. Curriculum Vitae
4. Contact information for at least three references

Application Deadline: Open until filled.