Postdoctoral Scholars
Genetics and Genomics of Sexual Dimorphism in Cancer

Dr. Barbara Stranger
Northwestern University Feinberg School of Medicine
Center for Genetic Medicine
Department of Pharmacology

The Center for Genetic Medicine is a research center at Northwestern University Feinberg School of Medicine, one of the nation’s leading academic medical institutions, dedicated to improving our understanding of fundamental genetic mechanisms and the genetic basis of human disease, using data science and its applications to advance biological understanding and medicine.

Our work centers around the integration of diverse types of biomedical research and patient data. Our team of scientists work at intersection of cutting-edge genetics, bioinformatics, statistical approaches and computer science.

We are looking for multiple motivated researchers to join our team to work on NIH-funded research in Cancer genomics. We are working to better understand the genetics and genomics of sexual dimorphism in cancer biology, heritable cancer risk, and response to therapeutics. Our work is highly interdisciplinary, spanning statistical genetics, systems biology, genomics, bioinformatics, data integration, software engineering, and data visualization. The project will include analysis of GWAS data, genomics data, experimental data, and has scope to expand as additional relevant data become available. The successful candidate(s) will be part of a multidisciplinary team working on a variety of biological questions ranging from basic human genome science to disease genetics and genomics.

Salary is competitive, commensurate with experience and education. The initial appointment is one year with the possibility of renewal dependent on performance and available funding.

Qualifications
- PhD in a quantitative discipline such as Statistical Genetics, Bioinformatics, Computer Science, or Statistics, preferably less than 3 years out from the PhD
- Strong first-author publication track-record
- Experience analyzing large biological datasets, including principled application of statistical techniques
- Expertise in Linux and high performance computing environments
- Software development skills, including programming skills in python, expertise with documentation, version control, and code releases
- Experience with NGS data analyses
- Experience with the standard suite of bioinformatics tools (R, aligners, callers, etc.)
- Strong scientific writing skills
- Ability to learn quickly and apply new analytic techniques
Enquiries
For more information, please email Dr. Barbara Stranger: barbara.stranger@northwestern.edu.

How to Apply
To apply, please send an email to barbara.stranger@northwestern.edu with your CV, names and contact details for three references, and a cover letter highlighting your research interests, qualifications, and long-term career goals. Please include “Postdoctoral positions in sex differences in cancer” in the subject line.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.