

The [Successful Clinical Response In Pneumonia Therapy \(SCRIPT\) Systems Biology Center \(SCRIPT\)](#) is hiring a postdoctoral fellow to work at the intersection of systems biology and clinical data management. The fellow will collaborate with an interdisciplinary team of clinicians, biologists, geneticists, and data scientists to develop tools to improve the management of multi-faceted data to support systems biology research. Candidates should have strong software development skills and an MD or PhD with research experience with Electronic Health Record data. Experience with Common Data Models, such as OMOP CDM from OHDSI, is preferred.



This position is supervised by [Dr. Justin Starren](#) and the primary appointment will be in the [Division of Health and Biomedical Informatics](#) in the Department of Preventive Medicine. Northwestern has a vibrant Informatics and Data Science research community, with the [Institute of Augmented Intelligence in Medicine](#) and [AI@NU](#). We are located in downtown Chicago, which has been voted the [best big city in the United States](#) for six years running.

The fellow will work with SCRIPT scientists to develop improved tools manage clinical data for research. Activities will include: improving the storage and display of sample-related data in the OMOP schema; working with the Northwestern University Enterprise Data Warehouse team to select and implement an optimized web interface to explore SCRIPT data; improving the extraction, representation and visualization of pneumonia-related EHR data; and management of research datasets. The fellow will also be involved in manuscript development with first authorship opportunities, as well as attendance at conferences and symposia where results will be presented.

Eligibility:

- MD or PhD with training in biomedical informatics, data science, computer science, software engineering, or related fields
- Experience with EHR data
- Solid programming skills
- Good communication skills
- The ability to work in a collaborative environment, to coordinate and supervise part of the research project.

Preferred:

- Experience with the OMOP CDM
- Experience with Git version control
- Experience with or desire to learn C#, JavaScript, and Python

We offer a competitive salary and an initial appointment of 12 months. Extension of the postdoctoral position for an additional year is possible. Be part of a prestigious institution that offers great benefits and enjoy our vibrant lakefront working environment.

Please send your application to Dr. Justin Starren (justin.starren@northwestern.edu), which should include:

- Curriculum vitae
- List of publications (attach a copy of one of your strongest papers)
- Contact details for 2 to 3 references

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Consistent with its obligations under the law, Northwestern will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential job responsibilities.