

Informationist for Bioinformatics and Data Integrity

Samuel J. Wood Library and C.V. Starr Biomedical Information Center
Weill Cornell Medicine

Position Summary:

We are seeking an experienced bioinformatician with a passion for research reproducibility and integrity, to help support these research values at Weill Cornell Medicine, in New York City.

Weill Cornell Medicine is committed to the reproducibility and ethical conduct of research. To support its researchers in meeting these goals, the Samuel J. Wood Library Informationist for Bioinformatics and Data Integrity will work with the library bioinformatics service, supporting the development and implementation of, and compliance with, relevant institutional and funder-based research data management policies.

Under the direction of the Associate Director for Research Services, and in collaboration with the Research Integrity Office, this individual will serve as a subject matter expert in bioinformatics and research data management to provide the following essential duties and responsibilities:

1. Support of research integrity, through training of researchers and students in the ethical conduct of research, and identifying or developing applications that can assist in evaluation of data integrity. Additionally, the individual will help evaluate journal publications and grant applications for data consistency and integrity, and assist in evaluating data and images in cases of alleged research misconduct.
2. Support of research data management (RDM), through training and consulting with researchers to assist them with RDM implementation for specific projects, including building of data management plans, or advising on means to better align with best practices in data management. This may be further assisted through the construction of guidelines and templates, and the identification or building of applications that will improve the findability, accessibility, interoperability and reproducibility of research.

As a faculty member, the individual will contribute to Weill Cornell Medicine's scholarly output, through the pursuit of appropriate grant funding, publication in academic journals, and creation of policy statements and guidelines. In collaboration with the Library Director, the Research Integrity Office, and other Information Technologies & Services (ITS) leaders, the individual will actively contribute to other Weill Cornell Medicine events, and collaborate with colleagues on projects in areas of shared interest.

Requirements:

- Passion for research reproducibility and integrity.
- Publication history in fields of molecular biology or bioinformatics.
- Record of contributions toward peer review in the fields of molecular biology or bioinformatics.
- Strong facility with Python and/or R, and experience with Jupyter notebooks.
- Demonstrated strength in statistical methods.
- Demonstrated ability to learn new technology tools/skills.
- Continually demonstrates professional initiative and problem-solving skills.

Work Ethic and Cultural Fit

- Willingness to work occasional overtime in order to meet deadlines.
- Excellent communication and collaboration skills, both in person and virtually. Capable of working in a fast-paced, team-based environment with shared deadlines and project tasks.
- Ability to think critically, and succeed at bringing concepts to realization while meeting deadlines.
- Demonstrates initiative, and the ability to work both independently and collaboratively with a diverse population of faculty/staff, students, and colleagues.
- Possesses skills in problem identification, analysis, and resolution.
- Ability to work efficiently on multiple projects simultaneously and meet necessary deadlines successfully.

Highly desired:

- Experience as an editor, especially for a journal in the sciences.
- Experience with image forensics.
- Experience with computer vision or machine learning.
- Experience on library and/or college-level evaluation or assessment committees.
- Experience with data visualization and data visualization software.
- Instruction in data analysis and/or visualization (either in credit-bearing courses or in certified organizational training).

Working Conditions: This position requires working in an office environment where there are a few physical discomforts such as dust, dirt, noise and the like. Ability to work more than 40 hours a week during periods of heavy workload is also required. Light travel between office locations, primarily within Manhattan is required. Occasional travel to represent the Samuel J. Wood Library at conferences, or to work with affiliates, may also be necessary.

Please email your cover letter and curriculum vitae to librecruiting@med.cornell.edu with “Informationist for bioinformatics and data integrity” in the subject line.

Weill Cornell Medicine's educational mission emphasizes the importance of combining a strong foundation in the medical sciences with extensive clinical training in patient care. By promoting a true social commitment, stimulating creativity, and fostering independent thought and study, WCM continues to cultivate the best of tomorrow's leaders in the field of medicine.

Weill Cornell Medical College is an equal opportunity, affirmative action educator and employer.