Weill Cornell Medicine

Postdoctoral Associate

The ideal candidate should have:

- Graduating Ph.D. or M.D./Ph.D. students in Computer Science, Bioinformatics, Health informatics, or a related discipline.
- Trained with a strong emphasis on text mining and/or medical image analysis. The desire to be a part of a dynamic translational research team.
- Expertise in big data/modeling and those with a keen interest in healthcare or life sciences.

Job duties:

One postdoctoral fellow position is available in Dr. George Shih's laboratory in the Department of Radiology at Weill Cornell Medicine and will be co-mentored by Dr. Yifan Peng in Population Health Sciences, starting Feb 2024. Our laboratory is primarily interested in developing and applying computational approaches to biomedical text data and medical images. Our research has focused on biomedical text mining using ML techniques (e.g., information extraction, text summarization), medical image analysis (e.g., chest x-rays, CT, MR, ultrasound), and their combination (e.g., radiology report generation). Interest in state-of-the-art LLMs including multimodal LLMs is preferable.

Salary established below per annum commensurate with qualifications experience: **$64,272 - $77,234.**

Weill Cornell Medicine provides the above salary range in compliance with the New York City law on Salary Transparency in Job Advertisements.

The above salary range for New York City based roles represents WCM's good faith and reasonable estimate of possible compensation at the time of posting.

Applications will be considered on a rolling basis, and the search will remain open until the position is filled. Appointments are initially for one year. The positions can be extended for one or two additional years at the end of the first year based on performance. Stipends are commensurate with research experience and education.

Salary will be determined based on the experience of the candidate and the University guidelines for Postdoctoral Fellows. Please submit a CV and a one-page research statement to Dr. George Shih at ges9006@med.cornell.edu. Shortlisted candidates will have an online interview.

George Shih MD MS is Professor of Clinical Radiology at Weill Cornell Medicine. His main research interests include medical image analysis and NLP. His research has been funded by federal agencies, including NIH and NSF. In his volunteer capacity, George is the co-chair of the SAR AI Committee and co-chair of the SIIM Machine Learning Committee. Dr. Shih is also on the RSNA Informatics Council, RSNA ML Steering Committee, RSNA AI Committee, RSNA Informatics Policy Committee, and SIIM Board of Directors.

Yifan Peng, PhD, is an Assistant Professor in the Division of Health Sciences Department of Population Health Sciences at Weill Cornell Medicine. His main research interests include BioNLP and medical image analysis. He has published in major AI and healthcare informatics venues, including ACL, CVPR, MICCAI, and ICHI, as well as medical venues, including

Nature Communications, Nucleic Acids Research, npj Digital Medicine, JAMIA, JBI, ACL, CVPR, and MICCAI. He is also a section editor for PLoS Digital Health, a guest editor for JAMIA, and an editorial member for JBI. He serves as a reviewer for major journals/conferences, including Nature Medicine, Nature Communications, PAMI, and ACL. His research has been funded by federal agencies, including NIH and NSF and industries such as Amazon and Google. He received the AMIA New Investigator Award in 2023.

Diversity is one of Weill Cornell Medicine's core values and is essential to achieving excellence in patient care, research, and education. We welcome applications from candidates who share our commitment to fostering a culture of fairness, equity, and belonging. Weill Cornell Medicine is an Equal Employment Opportunity Employer, providing equal employment opportunities to all qualified applicants without regard to race, sex, sexual orientation, gender identity, national origin, color, age, religion, protected veteran or disability status, or genetic information.