Postdoctoral Research Scientist at Columbia University

Department of Biomedical Informatics, Columbia University, New York City

Position Availability: Immediately

Position Title: Postdoctoral Research Scientist

Duties and Responsibilities: This opening is sponsored by a couple of NIH funded research projects for analyzing large-scale electronic data, including electronic health records data, public clinical trial data, and PubMed Literature for phenotype knowledge discovery and integration. The ideal applicant is expected to work closely with the principal investigator Dr. Chunhua Weng to develop and disseminate impactful informatics methods and systems through quality publications and open-source software. There will be opportunities to collaborate with open science consortiums such as OHDSI (www.ohdsi.org), eMERGE, and All of Us.

Position Qualifications: Suitable postdoctoral applicants

1. Strong computational background is expected. Should hold a Ph.D. in Computer Science or Engineering, Data Science, Biostatistics, Informatics, or Information Science; or an M.D. with a strong computational or data science background;
2. Should be familiar with common programming languages such as Java, Python, R, etc.
3. Should be experienced with modern statistical analysis, data mining and machine learning methods and can implement or innovate methods on these topics
4. Should have had at least one quality peer-reviewed publications in well-respected journals or conference on related computational methods;
5. Foreign applicants should have excellent written and oral English communication skills
6. Are preferred to have prior experience with data mining and large-scale data analytics
7. Should be able to have good team working skills to interact with interdisciplinary teams

Salary Range: commensurate with experience

Benefits: http://postdocs.columbia.edu/compensation.html

Application Information:

*Letter of intent and CV: All applicants must submit a brief research statement, along with their CV and references to chunhua@columbia.edu with the subject line as "Postdoc Application."

**Statement of objectives and goals:
Applicants should describe why they are interested in this opening. Please address interests and goals, related to (i) research and (ii) education, as well as relative priority you place on each of these as you envision your future career. The statement should describe career goals and career development plans for the postdoctoral training, including a) the skills, knowledge or certifications the applicant seeks to obtain; b) expected effects on career goals.