The lab of Dr. Jianrong Wang in the Department of Computational Mathematics, Science and Engineering (CMSE) at Michigan State University (MSU) is looking for highly competent and self-motivated bioinformatics and biostatistics postdocs to join his lab. Multiple positions supported by NIH and NSF are available.

Research in Dr. Wang’s lab is in the intersection of machine learning, statistical modeling, bioinformatics and computational biology, with a focus on building novel Bayesian models and efficient learning algorithms to construct large-scale regulatory networks and to decode the genetic basis of human diseases, based on big-data from genomics. The Postdoctoral Fellow will develop new statistical and computational methods and implement on big omics datasets for biological insights. The computational and statistical inferences will be experimentally tested by our collaborators. Multiple first-author papers are expected from these projects. Detailed information of Dr. Wang and his research can be found: https://cmse.msu.edu/directory/faculty/jianrong-wang

Typically, the positions are for two years. Renewal for the second year is based on a performance evaluation. A third year is possible, subject to funding and satisfactory performance evaluations.

Candidates should have (or expect to have soon) a PhD degree in related fields (bioinformatics, statistics, computer science or mathematics), have solid background in machine learning and statistical modeling, and have strong programming skills in Python or R. Candidates with research experiences in computational biology, bioinformatics, functional genomics, gene regulation, NGS data processing are preferred.

Application materials for postdoc positions:

- CV;
- Statement of prior research experiences and future research interests (<=2 pages);
- Two publications (as first author or co-first author) from prior research;
- Contact information of 3 references.

If you are interested, please first contact Dr. Wang (wangj164@msu.edu) with your application materials.

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status. The University actively encourages
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