Postdoctoral Scholar Position in Bioinformatics, Computational Biology, Genetics and Data Mining

Position Description:

Interested in precision health and pharmacogenomics? want to predict whether a drug will work for an individual patient and will it cause adverse reactions?
A post-doctoral research fellow position is available in Dr. Assaf Gottlieb’s group in the Center for Precision Health at School of Biomedical Informatics, UTH. We use integrative computational approaches to study the therapeutic and adverse effects of drugs with a focus on pharmacogenomics. We seek highly motivated postdoctoral candidates who are interested in the following research areas: (1) Computational methods to model drug action to understand drug efficacy and drug safety; (2) Integrative approaches to study pharmacogenomics and (3) novel algorithms for causal inference from observational data. Our lab is particularly interested in translational research that within the domain of precision medicine.

REQUIREMENTS:

- PhD in Bioinformatics, Mathematics, Biostatistics, or Computational Biology.
- Strong programming skills (R, Python, Perl, Java or C++), supported by track record of publications.
- Strong mathematical and statistical background (machine learning).
- Solid skills in spoken and writing English.
- Experience in analyzing biological, genomic databases and/or electronic health records data.
- Experience in at least one of the following is an advantage: next-generation sequencing analysis, systems biology or causal inference for epidemiological studies.

Salary: NIH post-doc salary scale

(Available at: https://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-131.html)

Required submission materials: CV, letter of interest, three references and date of availability

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