Announcement: Post Doctoral Position with The BioAnalytics Group

Description
The BioAnalytics Group is active in a number of research areas including cardiac cell modeling, bioinformatics, image analysis, and simulation. BioAnalytics is seeking a post-doctoral researcher to assist with a project in one of the following areas. Candidates will most likely have a background in either software or life sciences. Available projects are:

1. Research into the computational modeling of cardiac electrophysiology: We have an ongoing research collaboration with a major pharmaceutical company that relates to the identification of drug effects and risk factors on cardiac function. We are seeking a candidate that has strong knowledge of cardiac electrophysiology at the cellular level. Possible candidates include those with biomedical engineering or modeling backgrounds. This opportunity has the potential to develop into a full-time position at the conclusion of the post-doc.

2. Research into image processing algorithms for biological applications: We have an ongoing research collaboration with an established medical device company. One aspect of this research focuses on the processing of both bright field and fluorescent images. We are seeking a candidate with experience in image processing algorithm development, particularly in the areas of image segmentation and color deconvolution.

3. Research into the design and development of a database for biological applications: We have multiple projects that require the design, development, and implementation of a relatively small databases. We are seeking a candidate who is familiar with biological data types because the primary users of the database will be biological researchers, and the database needs to be designed to support their research workflow.

The post-doctoral position being offered is a New Jersey Technology Fellowship, a competitive fellowship award sponsored by the New Jersey Council on Science and Technology. If awarded, the fellowship runs for two years, with the second year contingent on approval of the first year’s progress. To qualify for this position, the candidate must: (1) Either receive a Ph.D. within six months or have received a Ph.D. in the past six months from a NJ university; (2) Must be in good standing with the conferring university; (3) Must continue to live in New Jersey for the duration of the fellowship; (4) Must be a US citizen, legal permanent resident, or have a valid immigrant visa, valid Employment Authorization Document, and an I-485 application pending with the US Citizenship and Immigration Service.

Interested candidates should contact BioAnalytics at: postdoc@bioanalyticsgroup.com.

Company Description
The BioAnalytics Group LLC offers contract services and custom software in the areas of custom assay data analysis, biological modeling, numerical analysis and scientific software development.

The BioAnalytics Group offers services and products that feature the use of biological simulation to help design experiments, analyze data, quantify the effectiveness and toxicity of therapies, and diagnose the presence and mechanisms of disease. Pharmaceutical and medical device researchers use tools based upon our systematic approach, to solve difficult biological data analysis problems.