Cold Spring Harbor Laboratory

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Bio-Informatics Student – Trotman Lab

We are looking for a Software Engineer to design, develop and expand a local instance of the cBioPortal for Cancer Genomics. The cBioPortal, which is developed at Memorial Sloan Kettering Cancer Center, is a web-based resource for human cancer genomics that supports thousands of researchers and clinicians around the globe. We use genome sequencing to understand evolution and therapy resistance of metastasis in the RapidCaP mouse model and our goal is to build a cBio-based instance for visualization, exploration and comparative analysis of the mouse data with human (see trotmanlab.com).

As the main software engineer in our team, you will install a local version of cBioPortal, modify it to support mouse data, and add new features and visualization options that expand our research. All development will be coordinated with the cBioPortal team at Memorial Sloan Kettering Cancer Center (MSK) in New York. You will be able to work closely with software engineers at MSK, partly via in person visits. You will need to understand databases, Unix, Java, front-end web architecture, and web-based visualization.

Qualifications

- Bachelor's or Master's degree in Computer Science / Bioinformatics or alternatively some years of software development experience
- Programming experience in Java or C/C++
Alternatively, candidates with solid experience in mySQL, JQuery, AJAX, HTML, and CSS would also be well suited.

Candidates should have a strong interest in biological research with clinical applications, experience developing in teams, be self-motivated, responsible and goal-oriented with a strong ability to learn new tools, technologies and languages as needed.

RapidCaP

Qualified applicants are invited to apply for this position either directly to trotman@cshl.edu or via the CSHL careers website at: www.cshl.edu/careers. Please include a cover letter describing your previous experience and interest in this position; your CV and the names and contact information for your references.

For more information about CSHL, please visit www.cshl.edu.