We seek an energetic and creative candidate, interested in statistical analysis of high-dimensional biomedical data, for a postdoctoral fellowship position with Dr. Li-Xuan Qin at Memorial Sloan Kettering Cancer Center. This position is to develop and apply statistical methods and software tools for analyzing high-dimensional data such as sequencing, with an emphasis on discerning the role that data preprocessing plays at the interface of method development and application. Take transcriptomics data as an example, data normalization can lead to over-compressed data variability and subsequently under-estimated classification error by cross-validation, resulting in seemingly optimistic classifiers that cannot be reproduced; normalization methods such as quantile normalization may distort data ordering across samples and hence compromise the detection of prognostic markers and the development of survival outcome predictors. In addition, this position offers ample opportunities for multi-disciplinary collaborations with the world's leading oncology experts and professional development including publication, presentation at scientific conferences, and involvement in grant writing.

Applicants should hold a PhD degree in biostatistics, statistics, or a related field, ideally with experience in high-dimensional data analysis. The successful candidate should have solid methodological training in statistics, be comfortable working with large data sets, be proficient in R, be organized and meticulous, and have strong verbal and written communication skills.

This position is open immediately until filled. To apply, email a cover letter, CV, and the names of 3 references to Li-Xuan Qin (https://www.mskcc.org/profile/li-xuan-qin) at qinl@mskcc.org, copying Samantha Vasquez at vasques2@mskcc.org.