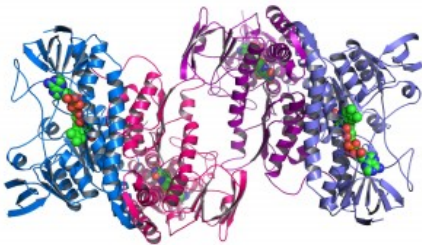


Medical Technology



Memorial Sloan Kettering
Cancer Center.

Our expertise in parallel image processing is ideally suited for meeting the large computing demands in modern medical imaging. High-resolution microscopy images can easily take several GB in size, and high-content screening of microscopy data sets using classical software tools is extremely time-consuming. Using GPU-based parallel computing solutions, we can dramatically **cut down processing and waiting times**. For example, we have helped the Memorial Sloan Kettering Cancer Center by improving a tool they use daily. Where their analysis previously took one hour, it now takes just two minutes ? a **speed-up of 30x**. Their productivity has gone up at virtually **no extra cost** as waiting for the results is significantly reduced, without the need to buy new computers.



StreamHPC also has experience in high-performance implementations of [molecular dynamics](#) simulation software. Such software can assist proteomics research in the prediction of protein structure and aid computation drug design in a more rapid drug discovery.