

Merck Research Labs (MRL), Rahway, NJ – 1/06 – 11/2013

Lead - Proteomics IT lead, Project Manager - Biomarker IM, Lead - Rahway Lab Automation

- Developed new parallel search algorithm for the identification of multiply-modified endogenous proteins for top-down Proteomics
- Moderator and Keynote Speaker for "3rd International Conference on Proteomics & Bioinformatics"
- Keynote at Bio-IT World 2012, Boston, MA "Bioinformatics & the Cloud"
- Published paper in RCMS
- Developed a software tool for oligonucleotide research that simultaneously identifies and quantitates metabolites from LC/MS. Project went from concept to production in 2 months
- Developed POC software for Mobile Device Remote Instrument Monitoring. Allows viewing of multiple live webcams via secure 3G connections into the corporate VPN. Works with iPhones, Droids, and Blackberries.
 - Configured and deployed the Thermo Nautilus LIMS in 4 months for the Proteomics labs at 3 sites.
 - Conceived and implemented first use of WiFi PDA/Scanner in a LIMS
 - Developed "ScaleWedge", a fast and automated weight collection application
 - Made 40 fold performance improvements to the Sequest Peptide/Protein
 - Participated in the successful development and deployment of 4 different research and clinical lab automation applications using Graph Logic's Point Dragon platform in less than 24 months.
 - Configured and administrated the AtTask project management tool into the Proteomics Lab to track the resources and budget for Biomarker projects for all the MRL franchises.
 - Worked with vendor developers to improve the performance of a web based project management application using jMeter automated testing tool and Oracle's jRocket Mission Control.