

BioMedical Informatics Unit



Core Overview:

The Biomedical Informatics Unit (BIU) of the Morehouse School of Medicine (MSM) RCMI Center of Excellence for Clinical and Translational Research (R- CENTER) and G-12 programs focuses on integration of MSM and affiliated health information systems -- electronic medical and personal health records, patient databases, and other research databases (basic, translational, clinical and population-based) -- into an interpretable repository. The unit also focuses on bioinformatics analysis that includes, but is not limited to identification of genetic biomarkers for tangible diagnostic applications, analysis of gene expression data gathered from multiplatform microarrays (Agilent, Affymetrix, etc) as well as provides analysis and consultation related to various expression profiling technologies which include RNA, miRNA, ChIP-on-Chip, and Antibody microarrays and post-hoc analysis of SNP and SAGE data. Please visit the R-Center Research Webportal at <https://rcenterportal.msm.edu/node/33> for more information, and to request for services.

BIU Technology/Equipment/Services:

- ✓ **Bioinformatics Training Support**
- ✓ **Proposal Development**
- ✓ **Study Design**
- ✓ **Database Development**
- ✓ **Case Report Forms and Survey tools**
- ✓ **I2b2 Workbench access/data access**
- ✓ **REDCap access**
- ✓ **Software application support**
- ✓ **Bioinformatics analyses support**
- ✓ **Genomics analyses**
- ✓ **Rosetta Luminator**
- ✓ **25 Server Computer Cluster**
- ✓ **Pathways 4**
- ✓ **Ingenuity Pathways analysis**
- ✓ **Rosetta Application Server**
- ✓ **Silicon Genetics**
- ✓ **GeneSpring GX Workgroup server**
- ✓ **Affymetrix**
- ✓ **Spotfire and Genesifter**
- ✓ **Array STAT**



User Fees (if applicable): \$60/hr-\$100/hr

MSM Contact Information

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