

# 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.

## Equipment / Services / Technology:

Affymetrix	Genomics Analysis	Rosetta Application Server
Array STAT	I2b2 Workbench Access/ Data Access	Silicon Genetics
Bioinformatics Analysis and Training Support	Ingenuity Pathways Analysis	Software Application Support Spotfire and Genesifter
Case Report Forms and Survey tools	Pathways 4 Proposal Development	Study Design
Database Development	REDCap access	25 Server Computer Cluster
GeneSpring GX Workgroup Server	Rosetta Luminator	

## Service Charges (if applicable):

\$60 - \$100/hour (consultation/training)



## RCMI

Research Centers in  
Minority Institutions

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