The Bioinformatics Core Support Philosophy and Model for Success

To exceed expectations regarding Bioinformatics support needs. Where the best customer-service style experience is provided and achieved through recruitment and retention of the most experienced and knowledgeable staff possible.

Analysis Support	Engineering Support	Education/Training/Mentoring

Step 1: Acknowledge Support Request

•Assess priority of request
•Assign priority of request
•Schedule meeting to discuss
•Document

Including, but not limited to:

•Algorithm Development
•Biospecimen Tracking
•Custom Scripting
•Dashboard Development
•Database Design & Development
•Parallel Computing
•Web-based Application Development

•One-on-one

•Class-level

•Seminar-level

Step 2: Meet & Confer w/ Requestee

•Discuss analysis need
•Define goal(s)
•Formulate analysis plan to accomplish
•Define execution timeline
•Document

Including, but not limited to:

•Biomarker Discovery
•Class Discovery
•Class Prediction
•Comparative Genomics
•Data Mining
•Diagnostic Modeling
•Gene Prediction/Annotation
•HERV Profiling
•Mechanism of Action
•Mechanism of Disease
•Network Discovery
•Pathogen Screening/Discovery
•Prognostic Modeling
•Repertoire Characterization
•RNA-Editing
•Target Discovery
•Theranostic Modeling
•Transplant Rejection
•SNP, MNV, InDel Discovery
•Structural Variation Discovery

Step 3: Execute Analysis Plan

•Use of public tools/resources
•Use of commercial tools/resources
•Use of custom tools/resources

Step 4: Deliver Results

•Summary Presentation
•Supporting Tables & Figures
•Methods Description
•Hard copy, e-copy
•Document

Including, but not limited to:

•Aptamer-based Analysis
•Chip-Seq Analysis
•DNA-Seq Analysis
•Enrichment Analysis
•Exome-Seq Analysis
•Exosome-Seq Analysis
•3'SEQ Analysis
•Microarray Analysis
•miRNA-Seq Analysis
•Phylogenetic Analysis
•Promoter Analysis
•Protein Structure Analysis
•Rep-Seq Analysis
•RNA-Seq Analysis (bulk. single-cell, spatial)
•RNA Structure Analysis
•Q-RT-PCR Analysis
•Serology Analysis
•Statistical Analysis

Step 5: Provide Contingency Support

•Manuscript muster

•Intellectual Property filing