ROAD MAP

START

Goals

Data Capture

Data Organization

Data Dissemination

FINISH
DGC GOALS FOR NETWORK DATA
CAPTURE

Capture data and meta-data from all Cores in a reliable and secure manner.
NEW DATABASE DESIGN

- Content management system to avoid workflow disruptions from clinical sites who have data collection in place
- Secure, HIPAA Compliant
- Enhanced usability from previous system
NEW SYSTEM INTERFACE

PMRN Connect

Clinical Data Sent

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<table>
<thead>
<tr>
<th>Thumbnail</th>
<th>File Details</th>
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NETWORK DATA & CORES

Bridging projects
patient & clinical metadata

Stable Isotope Core

Duke Data Governance
Capture Organize Distribute

Blinded sample IDs
Standardized report

Anonymized and De-identified Data

International Repositories and Duke Pharmacometabolomics Repository

Bioinformatics and Pathway Analysis

Analytics Core
Organize the data using a combination of computational ontologies and relational databases.
ONTOLOGY CREATION
DATA MERGING

Clinical data

Metabolomic data

Project Master Data File
Disseminate the data back to each of our cores as well as to the general public in the form of pre-formatted data sets as well as by providing a query-able database.
Interface & Reports

Duke Pharmacometabolomics Data Repository

Network Visualization for Data1
visualizing molecular interaction networks and integrating these interactions with gene expression profiles and other state data

Data Network Visualization and Reports Generated

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