

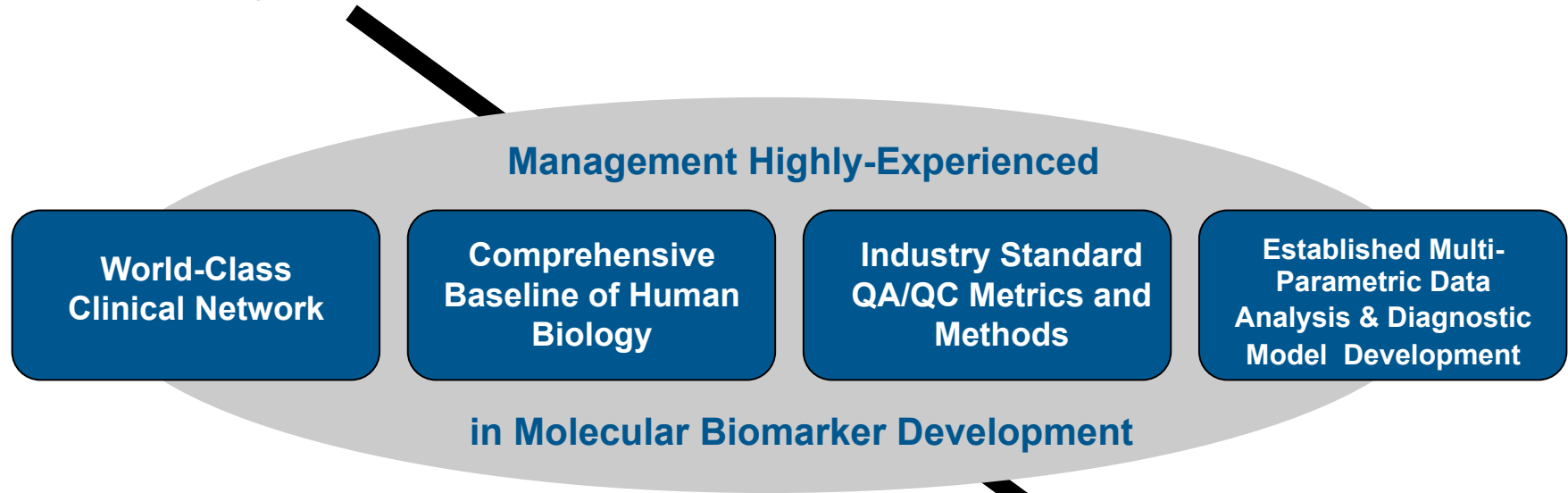


Accelerating the Development of Molecular Diagnostics




Corporate Overview

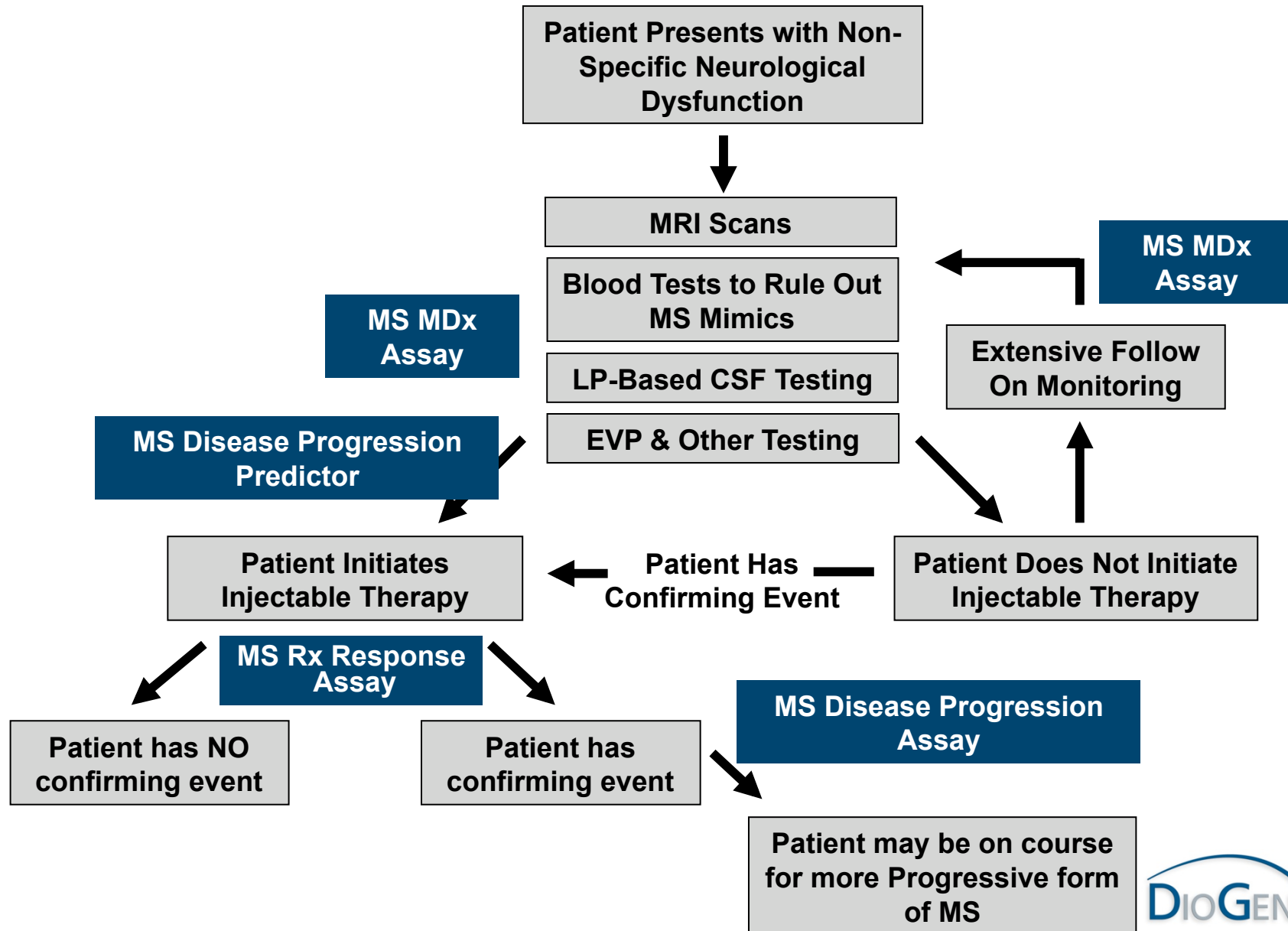
July 2009

DGx | **Leveraging 10 years of Biomarker Development**
... looking for complex patterns that discriminate disease

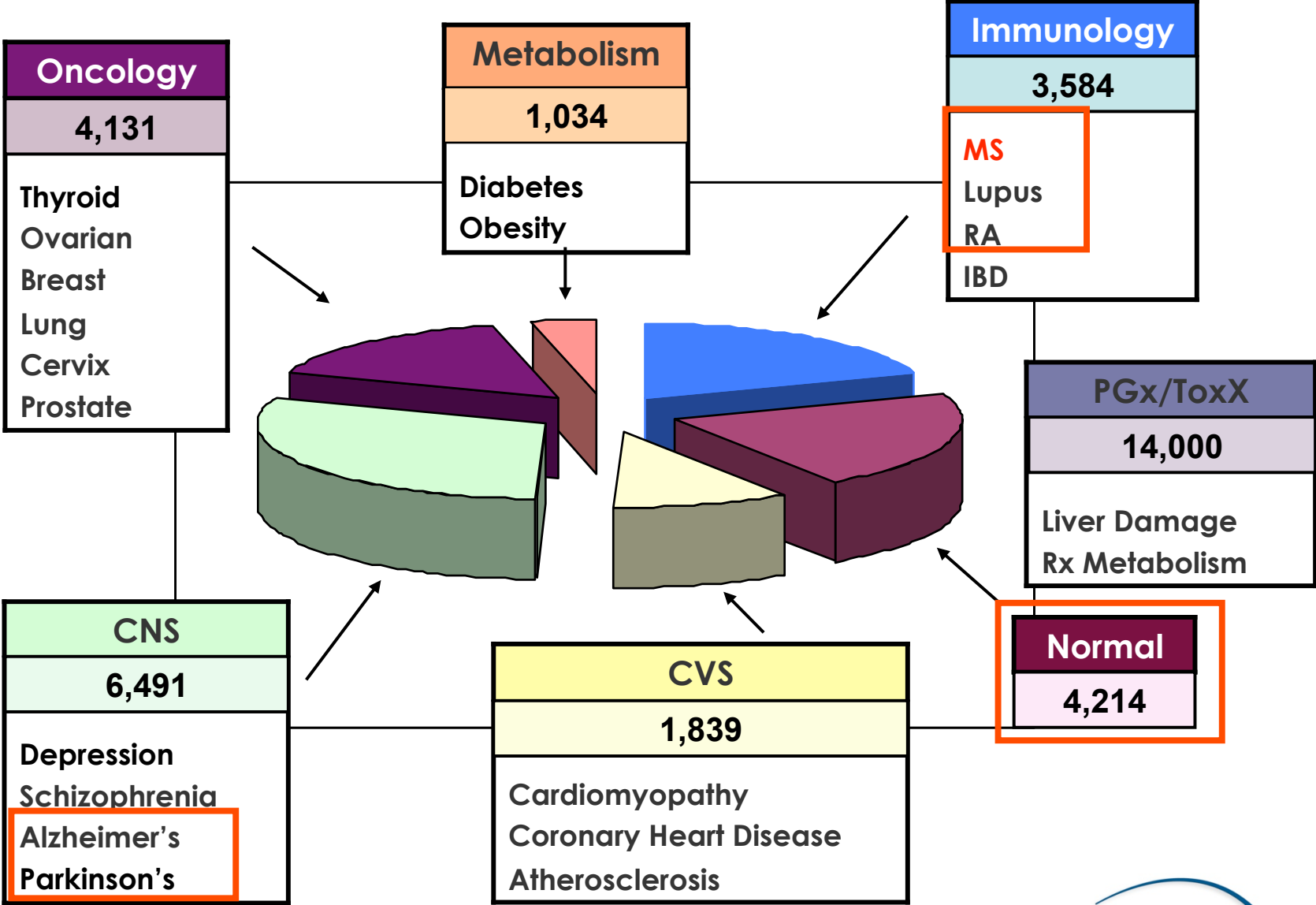


DGx | Core Management Team - 65 Years of Relevant Experience –

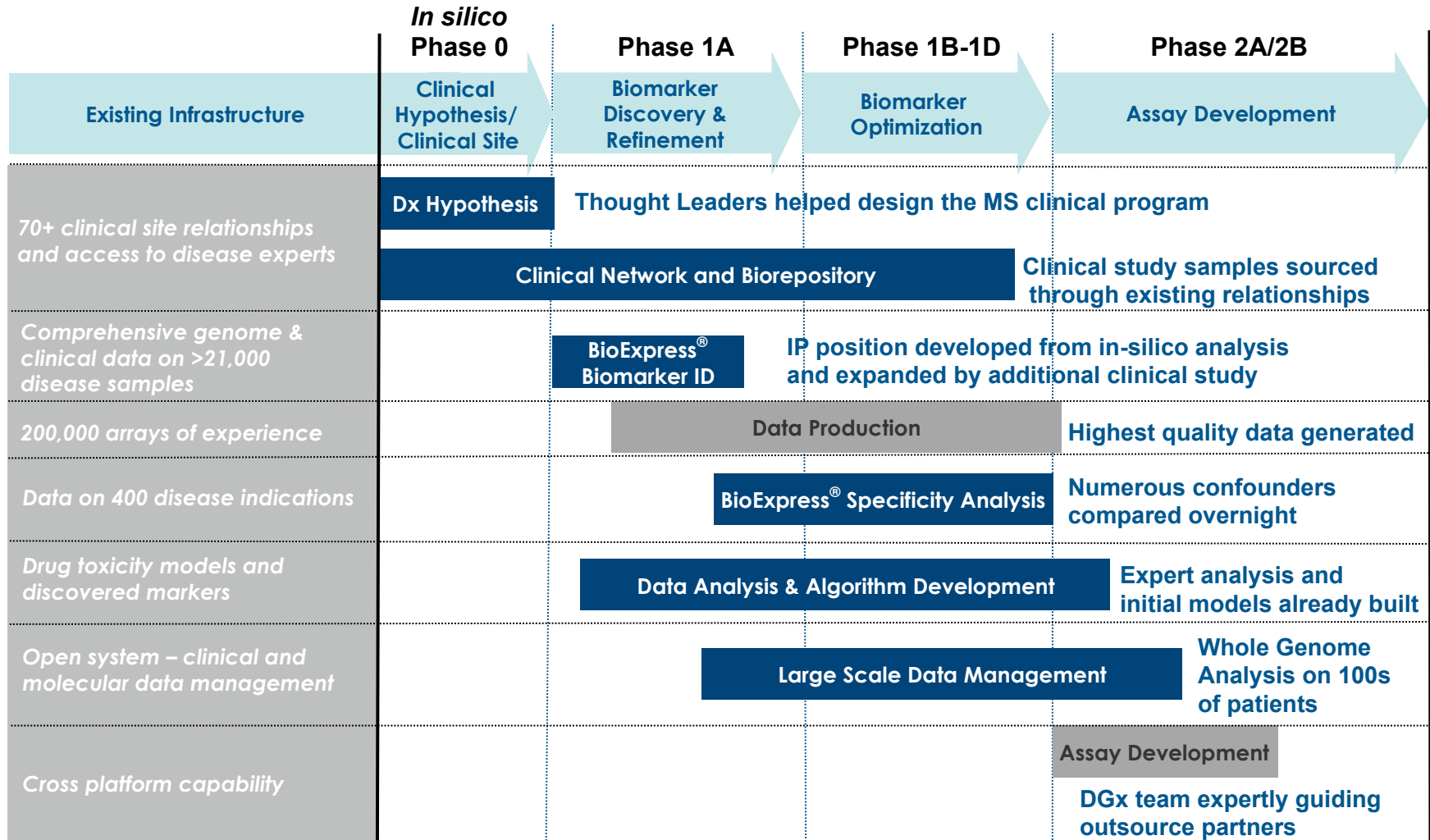
| Management | Brief Vitae | Prior Industry Experience |
|--|---|---|
| Larry Tiffany <i>President & CEO</i> | Sr. Management, General Management & Business Development | GENE LOGIC  |
| Dr. Eric Eastman <i>CSO</i> | Sr. Management, Genomic Platform, Biomarker & Diagnostic Assay Development | GENE LOGIC  |
| Dr. Doug Bigwood <i>SVP, Informatics</i> | Biostatistical Analysis & Biomarker Discovery and Validation | GENE LOGIC  |
| Scientific Advisory Board | | |
| Dr. Benjamin Greenberg, UTSW Dr. Amit Bar-Or, McGill Dr. Mike Racke, OSU Dr. Avindar Nath, JHU Dr. Lisa Barcellos, UC Berkeley Dr. Mike Elashoff, Head of Biostats, CardioDx & ex-FDA | | Significant Experience in: <ul style="list-style-type: none"> • Clinical MS/Neurology • MS Epidemiology • Diagnostic Model Building for submission to the FDA |



Core Asset | Comprehensive Compendia of Human Biology provides Unique Baseline for Comparison



Applied to MS | Validated Dx Development Platform Leveraging an >\$250M investment



Experienced in Multiplex Marker Set IP Procurement



MS Dx | **Early Development Strategy**

1. *In silico* Analysis using BioExpress®

- ✓ **Confirmed hypothesis**
- ✓ **Filed provisional patent**

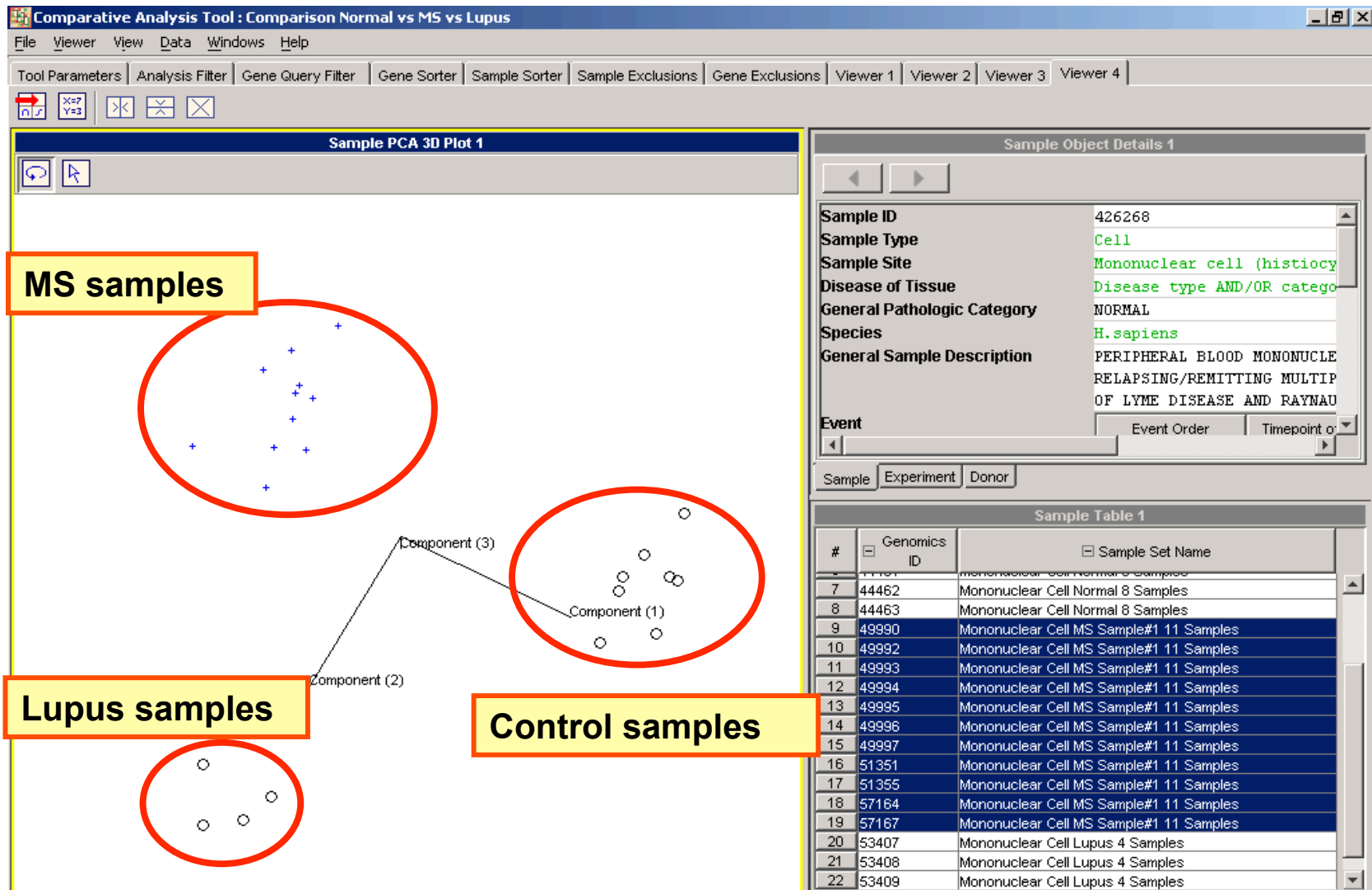
2. Proof-of-Concept Analysis using Whole Blood Samples

- ✓ **Comprehensive Multi-site Clinical Study**
- ✓ **Excellent Discriminators Found**
- ✓ **IP Estate Fortified with International Patent**

3. MS Dx Assay Development and Validation Plan

- **Refine and Optimize MS Biomarker Sets and Models**
- **Platform Selection and Assay Development (technical validation)**
- **Registrational Clinical Trial (clinical validation)**

Phase 0 | Differentiating MS, Lupus and Non-Disease Controls



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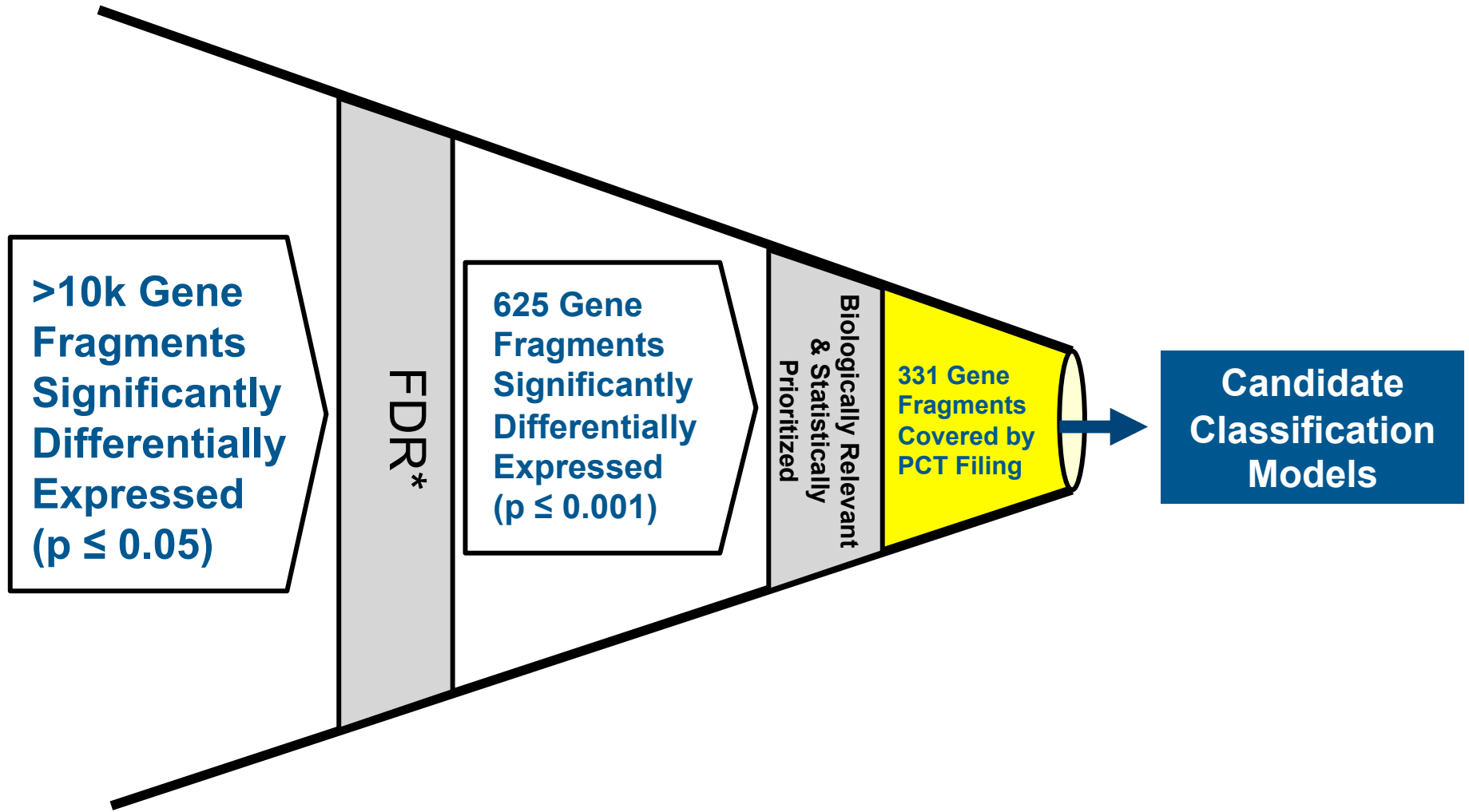
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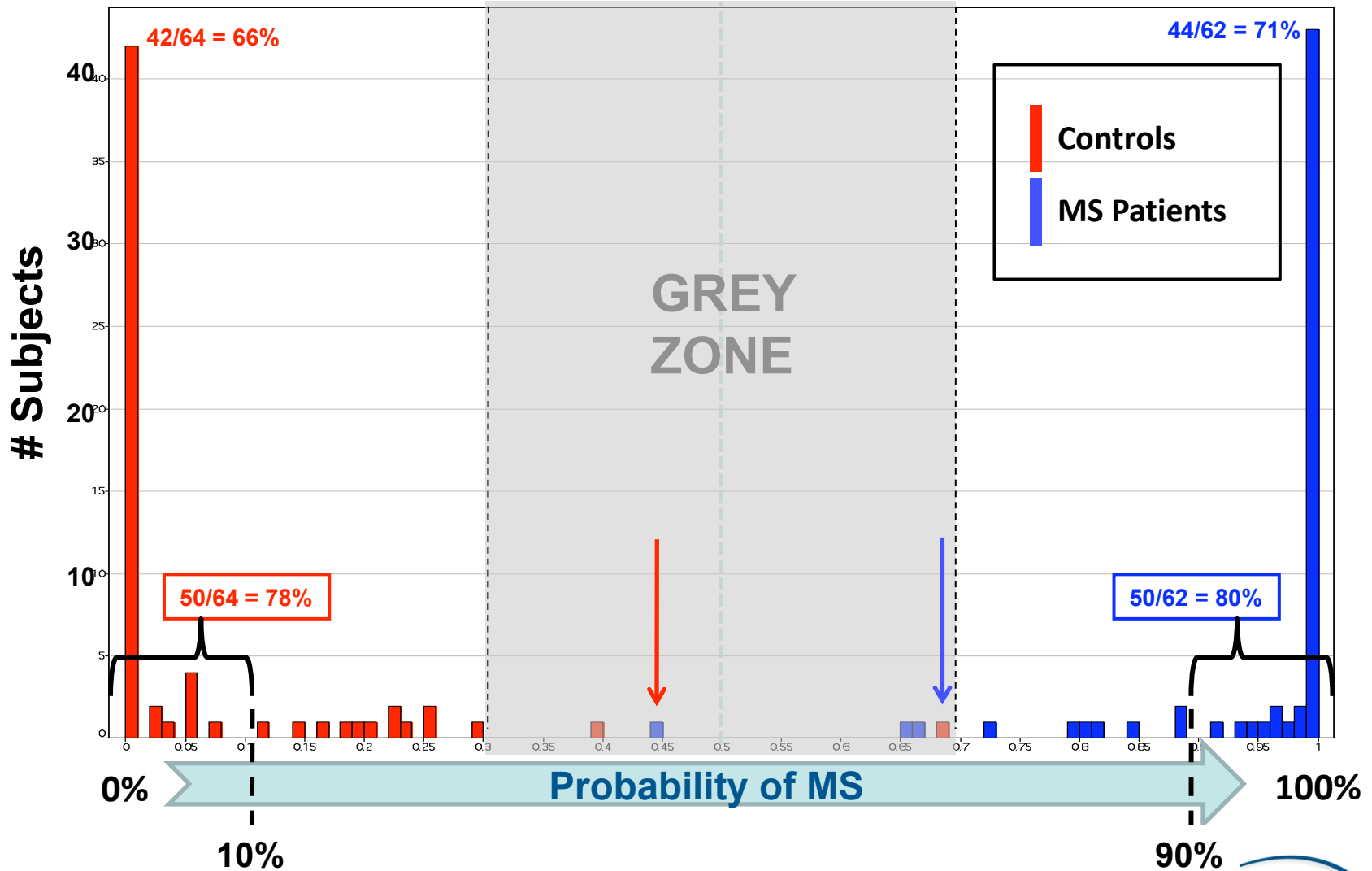
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Choosing the Best Markers | Rigorous Empirical Investigation



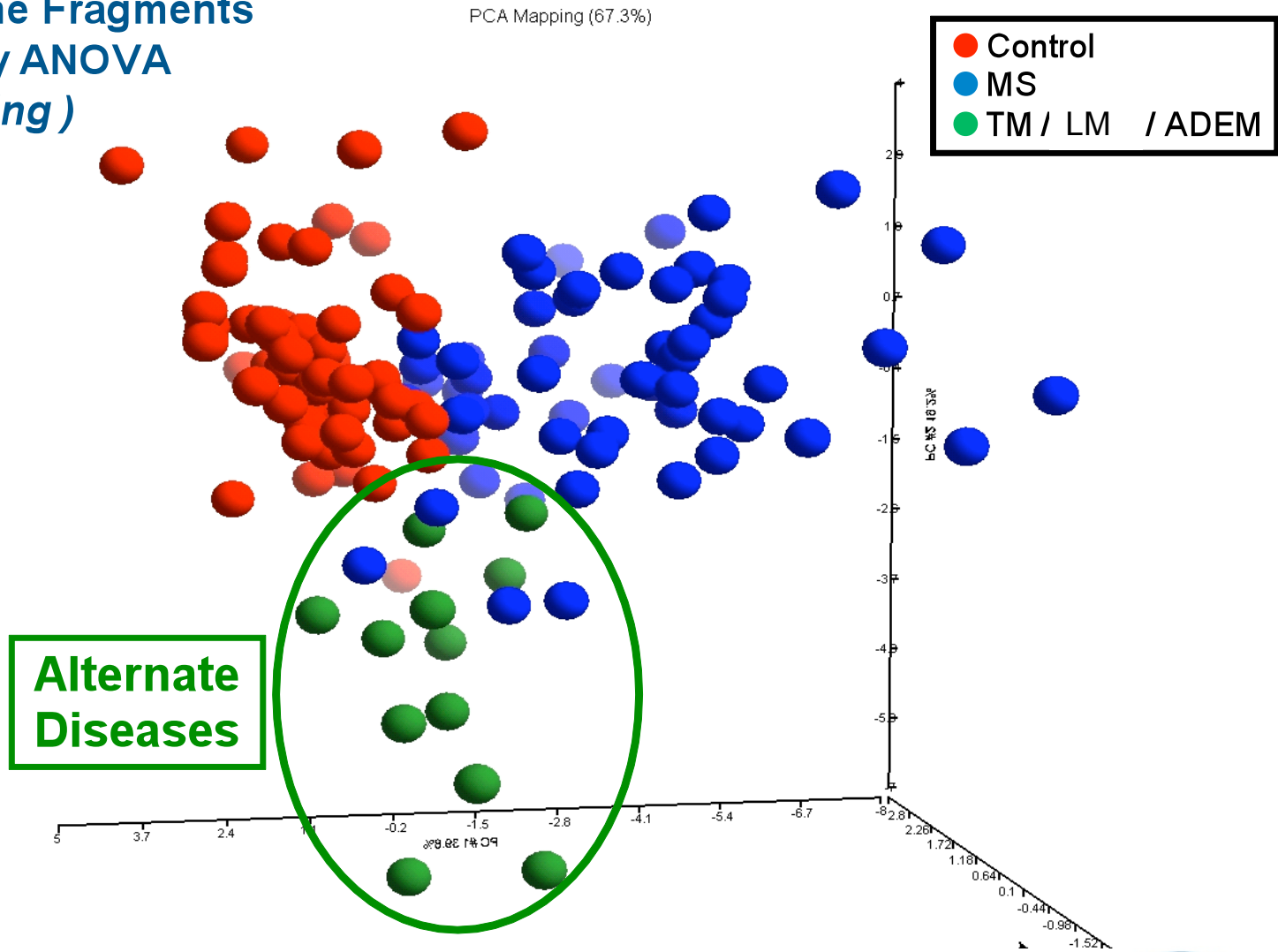
*False Discovery Rate Correction

MS Dx | 7-Gene Classification Model is 99% Accurate



MS | MS vs. Controls vs. Alternate Diseases

Top 50 Gene Fragments
selected by ANOVA
(No Modeling)



MS | **Market Dominating Patent Position**

Over 1,000 Patent Documents Reviewed

- >11,000 Marker Sequences queried (>95% identity over entire length)

Ongoing review of literature

- Comprehensive Scope - > 1,000 references investigated
- Top Academic & Commercial entities Targeted

Results

- Few Groups have looked at whole blood across the entire transcriptome
- Most groups have used PBMCs
- Those that have used whole blood - small n#s
- Some marker overlap but NOT from a single entity
- Patentability of DGx Whole Blood Marker Set is High
- Clean International Search Report

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MS | Development Plan

| Phase | MS or CIS Samples | Other Disease Samples | Non-Disease Control Samples | Total Samples | Duration (Months) | Goal |
|--------------------------------------|----------------------------------|-----------------------|-----------------------------|---------------|-------------------|--|
| Phase 1A (Whole Blood) | 62 | 12 | 64 | 138 | 4 | Qualify Initial MS Dx Signature |
| Specificity Study | TBP Under Confidentiality | | | | | Optimize MS Dx Signature |
| Steroid Effect Study | | | | | | Determine “washout” period for steroid Rx |
| MS Therapy Effect Pilot Study | | | | | | Determine affect of MS therapies on Dx Signature and Model |
| Assay Development (existing samples) | 30 | 30 | 60 | 120 | 6 | Port MS Dx Signature to commercial platform |
| Clinical Trial | 200 | 100 | 0 | 300 | 24 | Clinical Trial for FDA approval |

DGx | **Key Components for Success ... In Place and In Use**

Experienced Management

Team has 65 Years of Relevant Experience

Lead Program

Highly Discriminatory Dx Markers targeted at >\$250M Market

Resources to Support Success

\$5.25M Series A

Unique Proven Assets

Validated R&D Methodology

Significant Dx IP Estate

Comprehensive International Patent Position

Virtual Company

Low overhead where vast majority of capital utilized for R&D





Accelerating the Development of Molecular Diagnostics

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