

THE TEXAS A&M UNIVERSITY SYSTEM

TAMU System-IBM Partnership

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Government-University-Industry Research Roundtable, Oct. 15, 2014



Texas A&M System

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Statewide network of 11 Universities and 7 State Agencies

Texas A&M University

Texas A&M University at Galveston

Texas A&M University at Qatar

Texas A&M Health Science Center

Prairie View A&M University

Texas A&M University-Commerce

Tarleton State University

West Texas A&M University

Texas A&M University-Kingsville

Texas A&M University-Corpus Christi

Texas A&M International University

Texas A&M University-Texarkana

Texas A&M University-Central Texas

Texas A&M University San Antonio

Texas A&M AgriLife Research

Texas A&M Engineering Experiment Station

Texas A&M Forest Service

Texas A&M AgriLife Extension Service

Texas A&M Engineering Extension Service

Texas A&M Vet Medical Diagnostic Lab

Texas A&M Transportation Institute



TAMUS-IBM Partnership

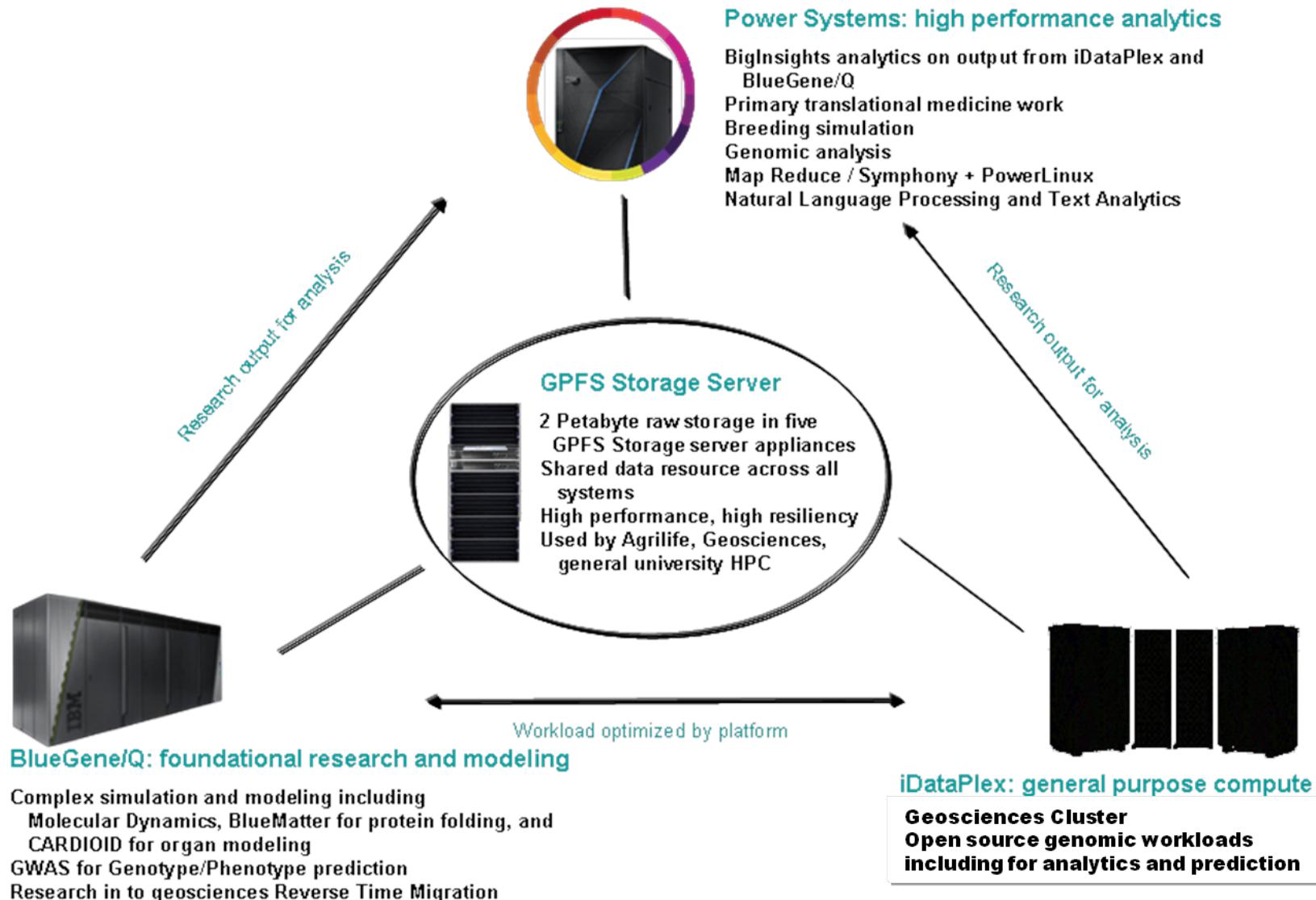
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- **Broad joint research collaboration based on shared and complementary R&D expertise and capabilities**
- **Intent: long-term research collaboration focused on *Grand Challenges* ranging from:**
 - Fundamental research, applied development, educational reach and sustainable commercial activities.
 - **The initial Grand Challenges were selected based on complementary activities and capabilities of the partners.**

Layered Architecture for Collaboration

Institute of Computational Science

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TAMUS-IBM Research Staffing Options

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Proposed Research Staff Engagements:

- Invite research staff to roundtable sessions to explore shared interest and capabilities.
- Provide ongoing technical and research support for the HPC Institute
- Develop fellowships, internship and experiential learning opportunities
- Encourage research collaborations that include mutual exchange of personnel
- Hold joint workshops organized by IBM and faculty of TAMUS



Timeframe

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- Initial discussions to a master agreement
 - 9 months
 - 6-8 months for legal
- Year into collaborations
- Infrastructure is evolving
 - RFP soon to be released for establishing a data center near campus as a private-public partnership
- Work in progress to establish an HPC Institute



Manufacturing

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- IBM-TAMU
 - IBM NY, TX, CA
 - TAMU in MSE and ISE
- Weekly calls, monthly visits
- Approached industry partners
- Timeframe
 - Less than one year



Health

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- IBM-TAMU
 - IBM NY and TX
 - TAMU HSC, Engineering, and AgriLife
- Human, animal, and plant activities
- Focus on
 - Genomics/genetics analysis
 - Disease surveillance
 - Genotype/phenotype analysis
- Researching regulating gene behavior with hope of finding new therapeutic interventions

Summary

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The start of a wonderful partnership...