



**Presentation to VRIC:  
Genomics & Bioinformatics  
Research Institute (GBRI)**

***December 11, 2018***

# Today's Presentation

## Current status of GBRI project

- **To request VRIC support for a ~12 month delay in GBRI faculty recruitment and the VRIC's approval for a delay in seeking programmatic financial support.**
- **GBRI Background Review.**
- **Current Construction Timeline.**

# Virginia's Strategic Objectives for GBRI

- **Improve the health of all Virginians.**
- **Form collaborative partnerships that fully leverage and integrate, rather than duplicate, the strengths of Virginia's health, research, and scientific assets from Virginia's research universities and the commercial sector.**
- **Partner with NSF, DOD, NIH and other research sponsors to leverage new research and innovation to drive regional and statewide economic development.**
- **Attract the world's most outstanding eminent research scientists to Virginia as part of a globally leading life science and research ecosystem.**
- **Leverage new scientific discoveries and intellectual property into new drugs, devices, and novel therapies.**

# GBRI Strategy and Programmatic Focus

- **GBRI Mission:**

- The overarching mission of the Institute is to improve the quality of the human condition and its environment.

- **Five key areas of research programmatic development:**

- Genetics and Genomics, understanding how the genome regulates its function in health and disease;
- Structural Biology of Disease/Systems Approach;
- Developmental Biology;
- Computational Biology and Data Sciences; and
- Biomedically Directed-Engineering.

# GBRI Research University Partnerships

## Statewide Core Resource in Genomics of Disease

*elucidating the genome's principles for self-organization, self-regulation and ultimate functionality in the complex cellular systems of health and disease.*

- How does our genome function in a state of wellness?
- What are the genomic risks for disease we are born with?
- How does our aging, environment, stress and behavior interact with our genome on the path to disease?

# GBRI Research University Partnerships

## GBRI Programmatic and Scientific Leadership

- How does our genome function in a state of wellness?
- What are the genomic risks for disease we are born with?
- How does our aging, environment, stress and behavior interact with our genome on the path to disease?

### Faculty

- Genomicists
- Cell Biologists
- Epidemiologists
- Environmentalists
- Public Health Scientists
- Data Scientists and Mathematicians
- Behavioral Health Scientist
- Bio-medically Directed Engineers
- Computer Scientists
- Biocomplexity Scholars



# **Inova Center for Personalized Health**

**Building & Land  
Development**

*Creating a Birthplace for  
Discovery*

**Mr. Tom McDuffie**  
President, Inova Real Estate



**INOVA<sup>®</sup>**

*Join the future of health.*

# Institute Design

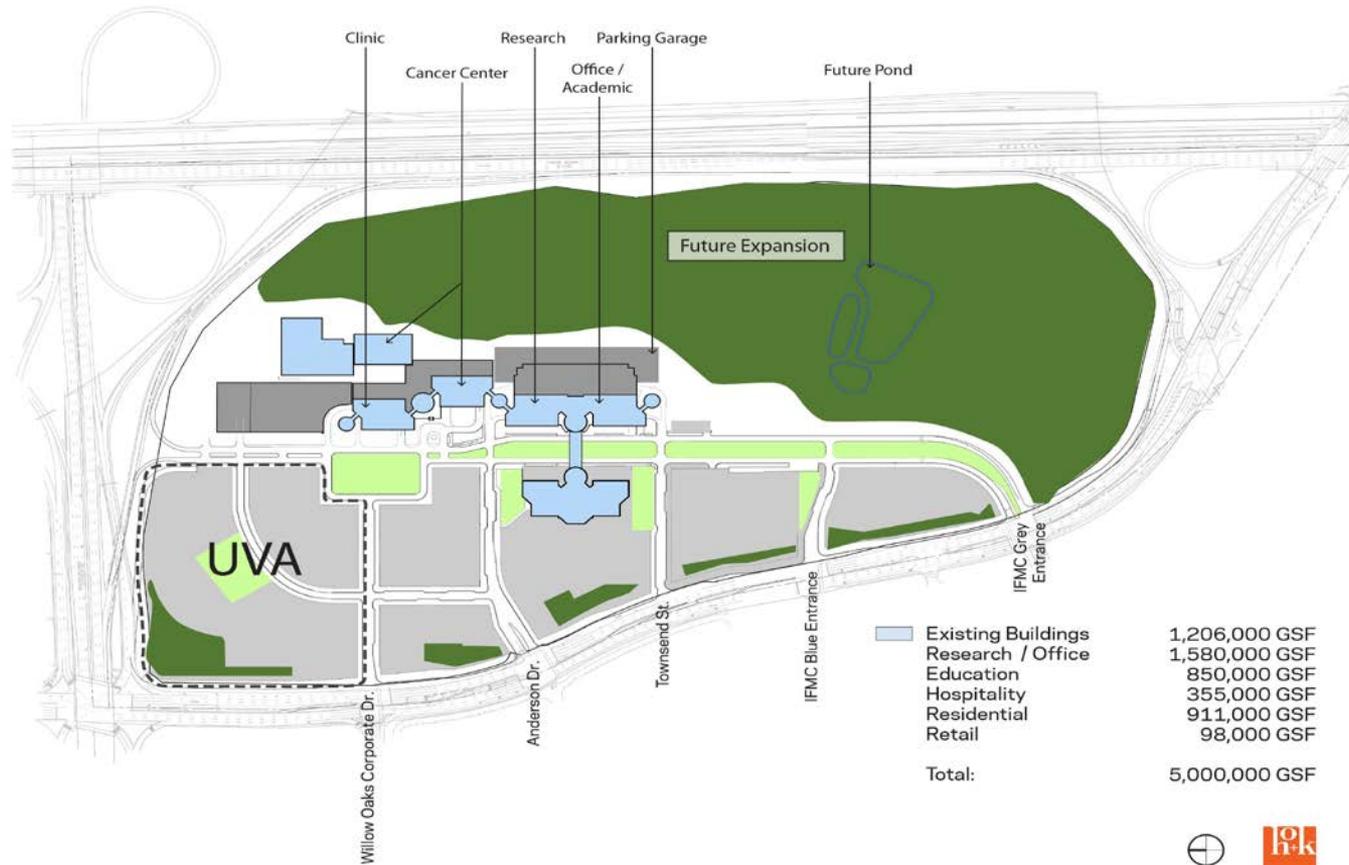
- Examined other U.S. and International research institutes for design best practices.
- HDR, an internationally leading healthcare and research design and architecture firm – working with UVA and Inova Design and Construction teams.
- Jacobs Engineering and BR+A retained to provide subject matter expertise and best practices.
- Input from Sittler Development, Setty & Associates (Engineering), and Clark Construction.
- Core design principles:
  - Space flexibility
  - Space that facilitates active research collaboration
  - Space that includes key shared core laboratory resources, including a vivarium and biorepository

# Building C Program Stacking by Floor

9	GBRI			} 79,161 sq ft	
8	GBRI				
7	GBRI				
6	UVA			} 52,774 sq ft	
5	UVA				
4	Inova		< == >	} 52,774 sq ft	
3	Inova				
2	Shared Core Labs/GMU Proteomics	C	Bridge	} 26,387 sq ft (GMU Prot. 2006 sq ft)	
1	Parking & MEP Room		Lobby		
P2	Biorepository 8,217 sq ft	(L)	Parking	} Vivarium 15,448 sq ft	
P3			Parking		(10)
P4			Parking		

(10)	Security Command Center
(C)	Café
(L)	Loading Dock and receiving area
Bridge	To Conference Center
< == >	ITMI staffing connection

# ICPH Site Concept Plan



# ICPH Campus Development Plan (PCA)



- UVA
- Research / Office
- Hotel
- Housing

## Design

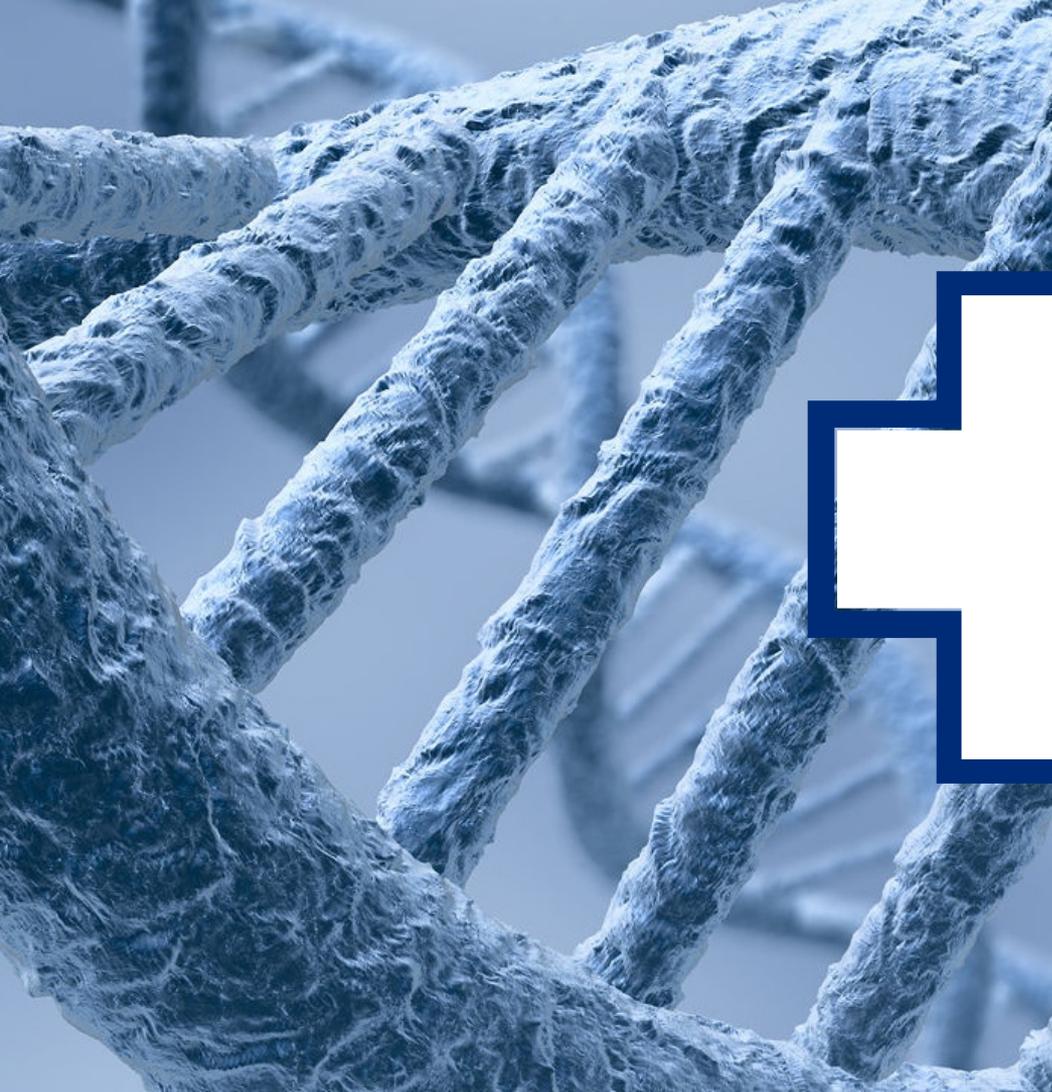
- **Base Building & Tenant**
  - Design Complete Q3 2018

## Pre-Development & Demolition

- **Base Building & Tenant**
  - Demolition Complete
  - Construction Bid Q3 2018
  - Value Engineering & Cost Negotiations Q3
  - Construction Award Q4
  - UVA – Inova Master Lease Q3 2018
  - GBRI – Sublease Agreement Q3 2018

## Construction

- **Base Building & Tenant**
  - Permits issued Q4 2018
  - Construction Jan 2019 Q1 - Q3 2020
  - Tenant Occupancy: Q4 2020



**Programmatic  
Development  
(Budget Item  
478.20 B.1., B.2)**

# Statutory Requirements for Programmatic Fund

- **Matching Funds (Budget Item 478.20.B.3-4)**
  - As reflected in Inova’s Letter of Commitment, Inova Health System has committed to contribute **Sixteen Million Dollars (\$16,000,000)** to be used for the Recruitment Project.
  - As reflected in their respective Letters of Commitment, UVA , GMU, and VCU have committed to collectively contribute a minimum of **Eight Million Dollars (\$8,000,000)** to be used for the Recruitment Project, at least half of which is from New Resources.
    - “New Resources” – None of these funds have been appropriated by the General Assembly for some other purpose, and none are being re-purposed for the Institute.

# Discussion