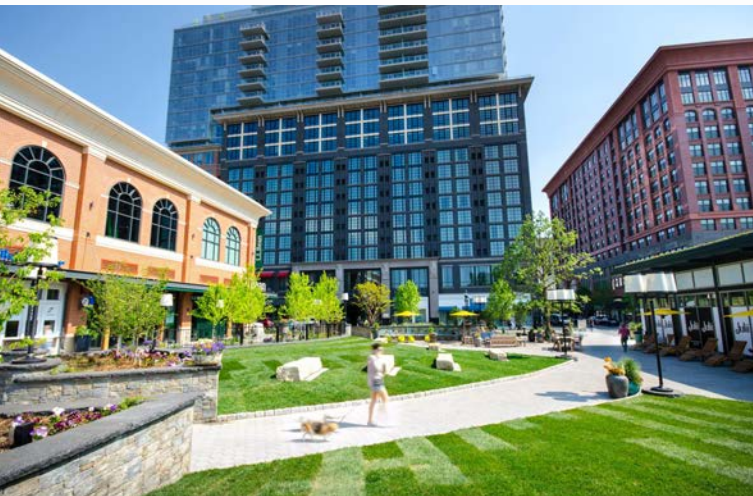


NORTH BETHESDA

LIFE SCIENCE INNOVATION CORE



MONTGOMERY COUNTY

UM INSTITUTE FOR HEALTH COMPUTING AT NORTH BETHESDA

Friday, February 17, 2023



ORDER OF SPEAKERS



Marc Elrich, Montgomery County Executive

Dr. Bruce Jarrell, President,
University of Maryland - Baltimore

Dr. Warren D'Souza, Vice President,
University of Maryland - College Park

Dr. Amitabh Varshney, Dean, College of Computer,
Mathematical and Natural Sciences, University of
Maryland - College Park

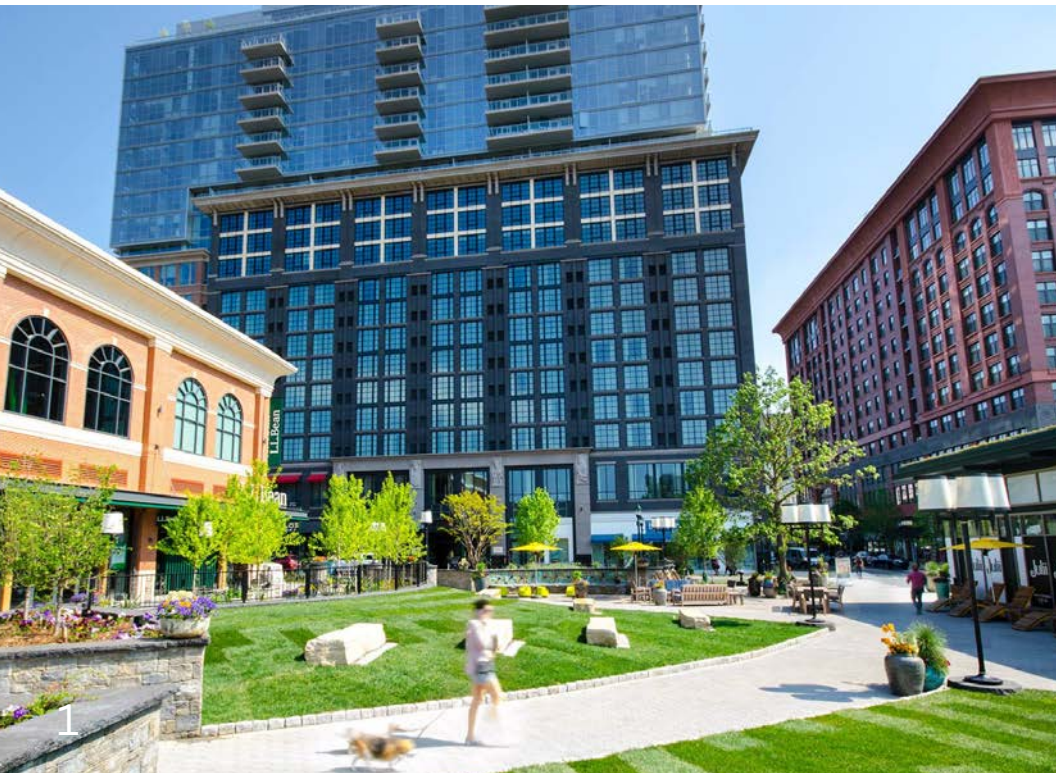
Yetunde Olumide, Chief Financial Officer,
WMATA

Senator Ben Kramer, Chairman Montgomery
County Senate Delegation

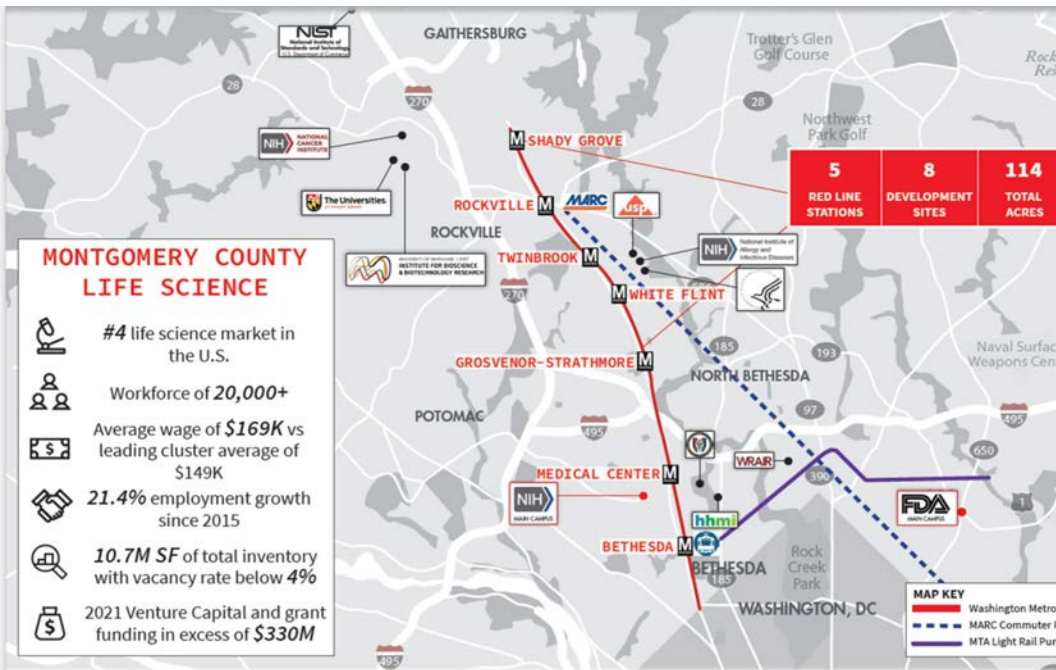
Evan Glass, Montgomery County Council President

THE VISION

- A life science focal point at the North Bethesda Metro Station
- Providing a link between the public sector assets, such as the National Institutes of Health (NIH) and Bethesda Naval Hospital/Walter Reed, with the world-leading, private sector companies in the Shady Grove Life Science Cluster
- Establishing an Academic Research Institute providing the anchor for a walkable, transit-oriented mixed use and mixed income community where the next generation of life science companies and workforce can thrive



LIFE SCIENCE ASSETS IN MONTGOMERY COUNTY





- Biotech tenants seek walkable, urban centers. No existing high-density life science uses in mixed-use environments in MoCo; although common in other high-rent markets like Boston, NYC, and San Francisco
- North Bethesda (formerly White Flint) Metro Station links NIH, Walter Reed Medical Center, and Uniformed Services University to the Shady Grove Life Science Cluster

Partnering with the UNIVERSITY OF MARYLAND



- In June 2021, Montgomery County, the University System of Maryland and Montgomery College signed a memorandum of understanding to expand on the region's leadership role in life and regulatory sciences education and innovation
- On November 10, 2022, Montgomery County, UMCP, UMB, UMMS signed an MOU to establish the UM Institute for Health Computing at North Bethesda. UMBC has since joined the partnership

When  transplant
surgeons wanted a
faster way to  deliver
life saving organs,
they went to Maryland.

The  world goes
to **Maryland.**



Digital placemaking in Sydney, Australia

UM Institute for Health Computing at North Bethesda

- Establishes North Bethesda as a national epicenter of computationally enabled life sciences research
- World-class research hub for AI, machine learning, and VR/AR, facilitating knowledge discovery for human health and wellbeing
- Next-generation augmented reality experiences and interactive displays invite and engage the public and contribute to placemaking at North Bethesda
- Immersive destination for life science, bio-manufacturing and medical-professional training, contributing to the County's hospitality industry
- Leverages the University of Maryland's leadership in medicine, life sciences, computer science, and engineering, with the County's many private bioscience companies and federal agencies

“We are witnessing an unprecedented revolution in health care that is being driven by biomedical innovation, the digitization of medical records, and advances in machine learning and artificial intelligence. This new Institute will include all of these elements in a synergistic effect that will transform our health care system.”

Bruce E. Jarrell, MD, FACS, President
University of Maryland-Baltimore

“Scaling up research to address grand challenges in the life sciences has shifted from collecting data to using cutting-edge technology to discover meaningful patterns hidden in the data. This Institute will tap world-class researchers who are exploring artificial intelligence, machine learning, and virtual and augmented reality to collaborate with medical experts, leading to broad impacts on human health and well-being.”

Darryll J. Pines, PhD, MS, President
University of Maryland, College Park



“As a health care leader serving diverse communities across the state, the University of Maryland Medical System is proud to be a founding partner institution. De-identified data from patients across our System, paired with clinical research data from our partners at UMB, will provide the data backbone for advanced analytics that will help deliver faster diagnoses and improvements in how therapeutics are utilized while helping develop the cures of tomorrow.”

Mohan Suntha, MD, MBA, President and CEO,
University of Maryland Medical System

UNIVERSITY OF MARYLAND

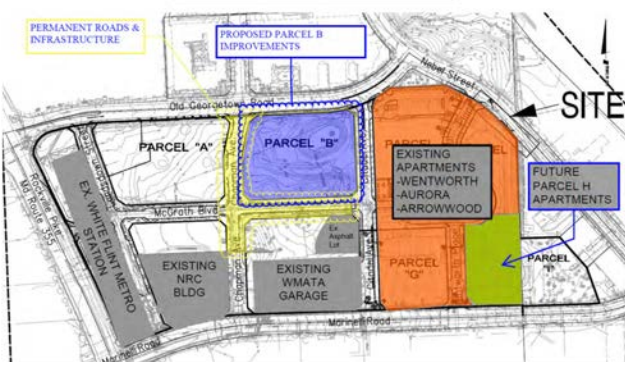
A. JAMES CLARK SCHOOL OF ENGINEERING

The  world goes
to **Maryland.**

METRO PROPERTY REDEVELOPMENT

- The County Sector Plan calls for a new north entrance to Metro Station
- Improves access to:
 - Existing and planned mixed-use development
 - Two planned BRT lines/stations
- At the request of the county, Metro is studying the potential of accommodating a high rise building over the new entrance to enhance placemaking and increase density





Locations for future BRT Stations

View from Pike & Rose towards Metro Station

PATH FORWARD

- Oct. 2020 - Montgomery County Executive and Metro signed an MOU to pursue a life science-anchored transit oriented development on the Metro site
- April 2022 - Montgomery County secures \$10 million from the State for site infrastructure
- Nov. 2022 - County, UMCP, UMB and UMMS announce Institute for Health Computing at North Bethesda as an anchor for development of the site
- Spring of 2023 - Metro plans to seek Board authorization to issue the Joint Development Solicitation
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CONNECTING TO THE REGION

- Creating a compact, walkable community centered around transit
- North Bethesda Metro Station (Red line) anchors the site, providing regional access. New northern Metro station entrance is funded for planning and design in the County's six-year budget, with \$4.5m in state grant funds. Construction, expected as part of the site developments, requires additional funds
- County continues to upgrade walking and cycling infrastructure to better serve the daily, local trips of people of all ages, abilities and backgrounds
- Expanding transit connections through future Flash Bus Rapid Transit and the Great Seneca Transit Network



Ride On buses

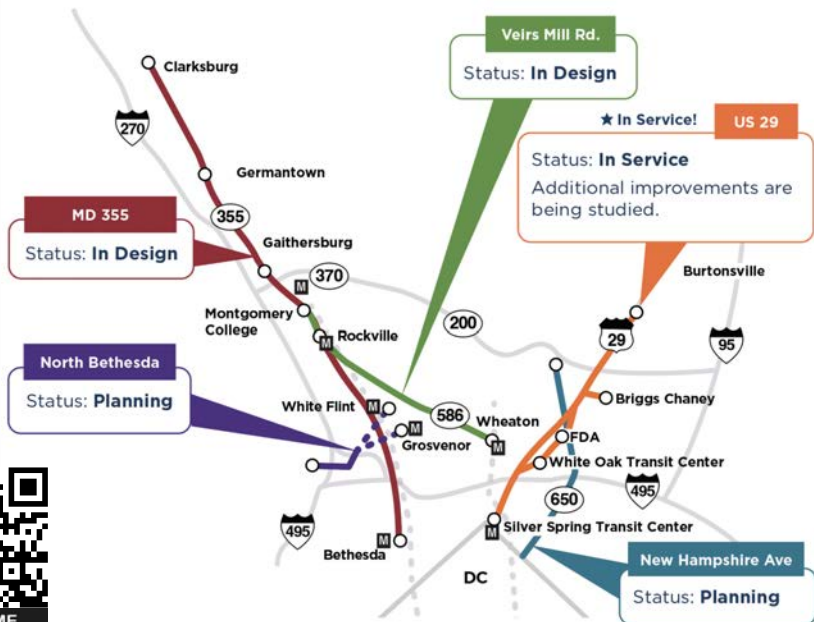
FLASH

GET THERE IN A FLASH!

Better bus service coming your way.



- Brings fast and reliable travel and more opportunity to a broad range of users
- Links neighborhoods, retail hubs, job centers, regional Park and Ride lots, and Metrorail and Marc rail
- Implementation prioritizes bringing fast and reliable transit to Equity Areas, Opportunity Zones and areas with existing high demand
- Construction requires Federal funding



“There’s no reason Montgomery County can’t — and shouldn’t — be the nation’s undisputed center for life and regulatory sciences. It has a thriving community of industry leaders; a strategic location near federal labs and agencies; and the full partnership of Montgomery College and the University System whose expertise in biotechnology and advanced computing is second-to-none.”

Jay A. Perman, University of
Maryland System Chancellor

