



# INVESTING IN BIOTECH:

## RI's CENTER OF EXCELLENCE FOR LABORATORY SCIENCES

Protecting **PUBLIC HEALTH** and promoting **ECONOMIC GROWTH**

Presented By:

Director **Nicole Alexander-Scott**, MD, MPH  
RIDOH

# NEED

## NEW LABORATORY BUILDING



**The State needs a new laboratory Building** to respond to **increasingly complex emerging threats to public health**, like the current COVID-19 pandemic, and to keep pace with **emerging scientific technologies**.

This new facility would allow Rhode Island to deliver **state-of-the-art public health services**.

### **A New Facility Addresses Major Deficiencies at the Chapin Building**

#### Inadequate utilities

- Systems and equipment have reached or exceeded useful life
- Damage expensive lab equipment and limits additional, new testing equipment

#### Structural deficiencies

- High level of deferred maintenance
- Potential for staff/visitor injuries

#### Risk for contamination

- High risk for cross contamination, potential exposure to infectious agents and toxic chemicals

# VITAL SERVICES

## DISEASE SURVEILLANCE & MANAGEMENT

## TESTING & ENVIRONMENTAL QUALITY MONITORING

## INVESTIGATIONS

## PREPAREDNESS

## FEDERAL CONNECTION

# STATE HEALTH LABORATORIES



- Investigate life-threatening diseases (e.g. **COVID-19, EEE, Ebola**) to prevent outbreaks and guide treatment
- Ensure safety of drinking **water, food, air quality**, & 400 miles of **coastal waters**.
- Lead screening to ensure safety of **children**
- **DNA** testing and **illegal drug** identification to aid **law enforcement**
- Help determine causes of death
- Drug **toxicology** testing to fight the **overdose and addiction crisis**
- Protect against threats from **bioterrorism** and **chemical terrorism**
- State's link to **specialized CDC Laboratories**

## NEW LABORATORY

### IMPROVED PUBLIC HEALTH SERVICES

### COST EFFICIENCY

### ECONOMIC IMPACT

### REDUCED LIABILITY

## *BENEFITS TO RHODE ISLANDERS*



- Enhanced capacity to provide critical public health services
- New bio-containment facility
- Increased space for specimen handling and processing during pandemic for safety
  
- Built on State-owned/State-controlled land
- Shared services and space with commercial or academic partner
- Eliminate deferred maintenance costs of Chapin Building
  
- State-of-the-art hub of science and innovation
- Attract federal funding for research, medical science/biotech companies, and top talent
- Potential revenue: genome sequencing, etc.
- Support local economy: shellfish and seafood safety analysis
  
- Prevent potential harmful exposures and injuries
- Infrared temperature scanners installed for safety during pandemic
- Separation of hands-on lab work and administrative work

## NEW LABORATORY

### *COST, SIZE, AND LOCATION*



### **COST**

\$107 million

### **SIZE**

100,000 square feet

### **LOCATION**

- State-owned or State-controlled land
- Close to other RIDOH public health services
- Location that promotes medical innovation and supports our hospital and healthcare systems



## **A VISION**

for Rhode Island's Center of Excellence  
for Laboratory Sciences

# **THANK YOU**