



# NIH ACD Meeting June 2020 Rapid Acceleration of Diagnostics Advanced Technology Program (RADx-ATP)

---

RICK A. BRIGHT, PHD

SENIOR ADVISOR TO THE NIH DIRECTOR, OFFICE OF THE DIRECTOR

# RADx Projects



## **RADx Tech – \$500M**

*Highly competitive, rapid three-phase challenge to identify the best candidates for at-home or point-of-care tests for COVID-19*



## **RADx Underserved Populations (RADx-UP) – \$500M**

*Interlinked community-based demonstration projects focused on implementation strategies to enable and enhance testing of COVID-19 in vulnerable populations*



## **RADx Radical (RADx-Rad) – \$200M**

*Develop and advance novel, non-traditional approaches or new applications of existing approaches for testing*



## **RADx Advanced Technology Program (RADx-ATP) – \$230M**

*Rapid scale-up of advanced technologies to increase rapidity and enhance and validate throughput – create ultra-high throughput machines and facilities*



## **Data Management Support – \$70M**

*Build an infrastructure for and support coordination of the various data management needs of many of the COVID-19 efforts*

# RADx-Advanced Technology Programs (RADx-ATP)

- **Overarching Goal:** Increase capacity and optimize throughput for point-of-care (POC) testing platforms by Fall 2020
- Scale up **existing or late-stage technologies** that can achieve rapid, substantial increases in POC testing capacity
- Potential approaches: addition of POC testing to existing testing infrastructure, scale-up of late stage technologies, support of new Diagnostic Innovation research hub

**\$230M**

**Execute RADx-ATP strategy, prioritizing rapid wins to expand capacity by Fall 2020**



# RADx-Advanced Technology Program (RADx-ATP)

## Scale-up Late Stage Technologies

- Identify promising **late-stage technologies** that could be deployed by **Fall 2020**
- Establish **rapid collaborations** with key industry partners to execute the scale-up
- Emphasize **differential POC testing** to distinguish SARS-Cov-2 vs. influenza

## Leverage Existing Testing Networks to Add Capacity

- Explore options to leverage **NCI's serology network** to add POC testing either in same center or part of same network
- Identify center(s) to connect within **RADx-UP program** to pilot/evaluate POC testing impact

## Coordinate Diagnostic Innovation Hub

- Explore opportunity to set up a **Diagnostic Innovation Hub** in partnership with other NIH institutes to accelerate the research into **innovative testing technologies** (e.g. NGS) for COVID-19 and future, unknown, infectious agents

