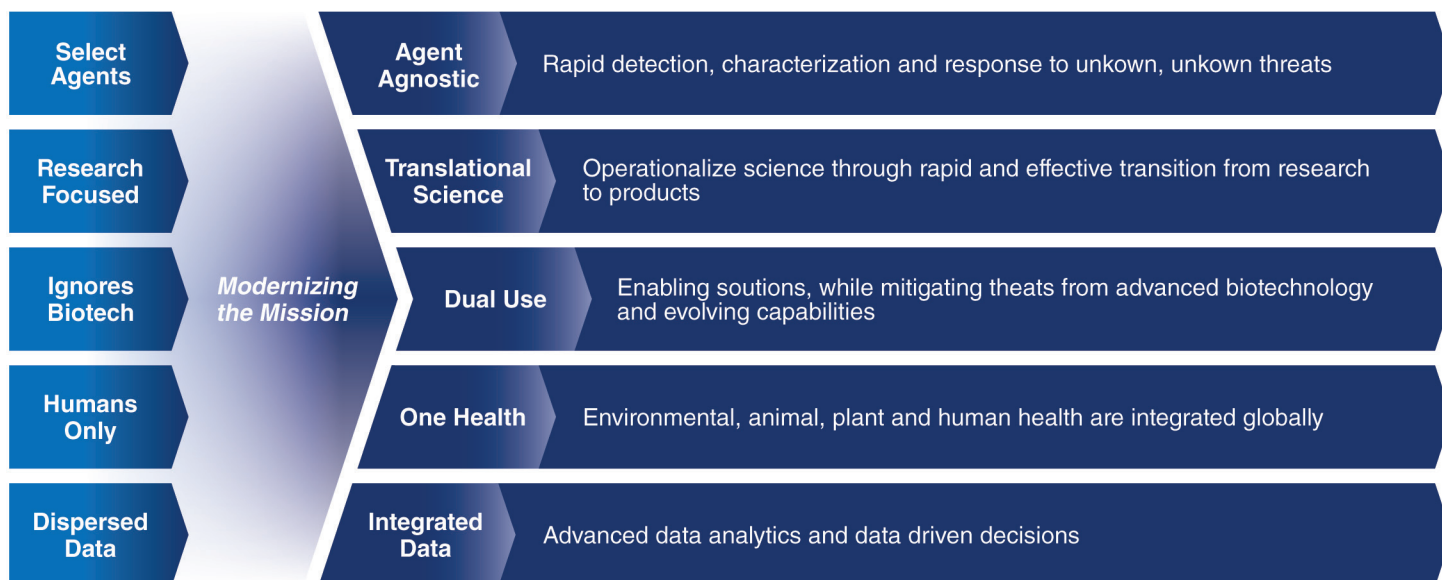


# Biopreparedness

For over 40 years, Battelle has provided biodefense and biopreparedness science and technology solutions to the world. We have been directly engaged by the government to support many major biological threat events, including Amerithrax, Ebola outbreaks and most recently the COVID-19 pandemic. Through our research, applied expertise and biological research Infrastructure, including the largest private BSL-2 containment laboratory in the United States, we enable proactive biosecurity preparedness critical to our national security, economic strength and the well-being of the population.

## Staying Ahead of Emerging Threats

Protecting the world from biothreats takes a multi-stage approach that identifies, assesses and resolves potential threats. Battelle is focused on advances in biology, data analytics and the convergence of these areas as key drivers for solutions in the future threat landscape.



### Pillars of Biopreparedness

The biopreparedness problem space is expansive. Battelle has identified key functional categories that together provide a holistic view of capabilities needed for improved biopreparedness. We leverage a wide range of multidisciplinary capabilities including advanced omics, sensor development, analytical chemistry, cyber, materials science and systems integration that enable proactive mitigation of risks from traditional, emerging and enhanced biological threats.

*The science informing decisions*

*The technology enabling action*

<i>The science informing decisions</i>		<i>The technology enabling action</i>	
THREAT AWARENESS	PREVENTION	SURVEILLANCE & DETECTION	RESPONSE & RECOVERY
Predictive Analysis and Forecasting	Biological Threat Reduction	Sensors and Detection Modalities	Decontamination
Intelligence Analysis	Lab Biosurety	Sensor Integration	Operational Training and Exercises
Threat Characterization	Hospital System Resilience	Biosurveillance	Blackhatting and Auditing
Risk Assessment	Nonpharmaceutical and Social Interventions	Data Mining and Integration	Risk Communication
Decision Support		Environmental Sampling, Collection, Analysis, Methods	Medical Countermeasures, Diagnostics, Therapeutics
Modeling and Simulation			

It's clear that the biosecurity threat is real and a strategy is needed. To protect the United States from future threats like the COVID-19 pandemic, investing in a resilient and responsive biopreparedness capability framework is crucial. Battelle has new and emerging research to accelerate the national biosecurity approach from reactive to proactive, and through our focused planning and applied expertise, we can help to drive solutions for the future threat landscape.