

# National Defense Industrial Association Emerging Science and Technology to Counter CBRN Threats

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# DTRA JSTO OVERVIEW VIDEO



# Emerging Threats are Growing

BIOSURVEILLANCE

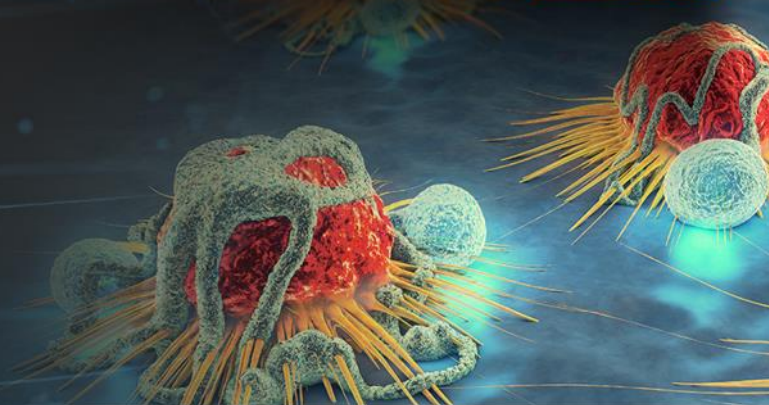
INCREASED ZONOTIC  
TRANSMISSION FROM  
ANIMALS

POPULATION GROWTH

CLIMATE CHANGE

HABITAT LOSS

HUMAN BEHAVIOR





# PLATFORM TECHNOLOGY

**Platform Technology:** provides a “plug -and-play” physical framework for drug delivery greatly reducing development time and costs.



# ANSWERS BEFORE OVERT SYMPTOMS

**Presymptomatic Diagnostic Tools:**  
identifies someone as being sick well  
before overt symptoms show.



# BREATH-BASED BASELINES

**Breath Works:** development of non-invasive breath-based diagnostic devices to identify warfighter distress or infection.



# CBDST<sup>+</sup>

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*The Defense Threat Reduction Agency's Chemical and Biological Technologies Department serves as the Joint Science and Technology Office within the Chemical and Biological Defense Program*