

De-Risking Defense Health R&D

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DARPA's Role in the S&T Ecosystem

- Create breakthrough, paradigm-shifting solutions.
- Accept and manage significant technology risk.
- Disrupt or massively accelerate technology roadmaps.





BTO Office Mission

BTO focus is innovation to win in both competition and conflict with pacing threats.

Mission: For National Security, BTO prevents surprise by denying adversaries the benefit of Chemical and Biological effects and technologies **at all scales** and creates surprise through asymmetrical advantage to **win at any scale**.



**BIOLOGICAL
TECHNOLOGIES
OFFICE**

Key Domain 1: Defense at all Scales

Key Domain 2: Surprise at any Scale



Biological Capabilities To Strengthen National Security

Data

Simulation

Live Chain

Advantages

Performance

**Sustainment &
Logistics**





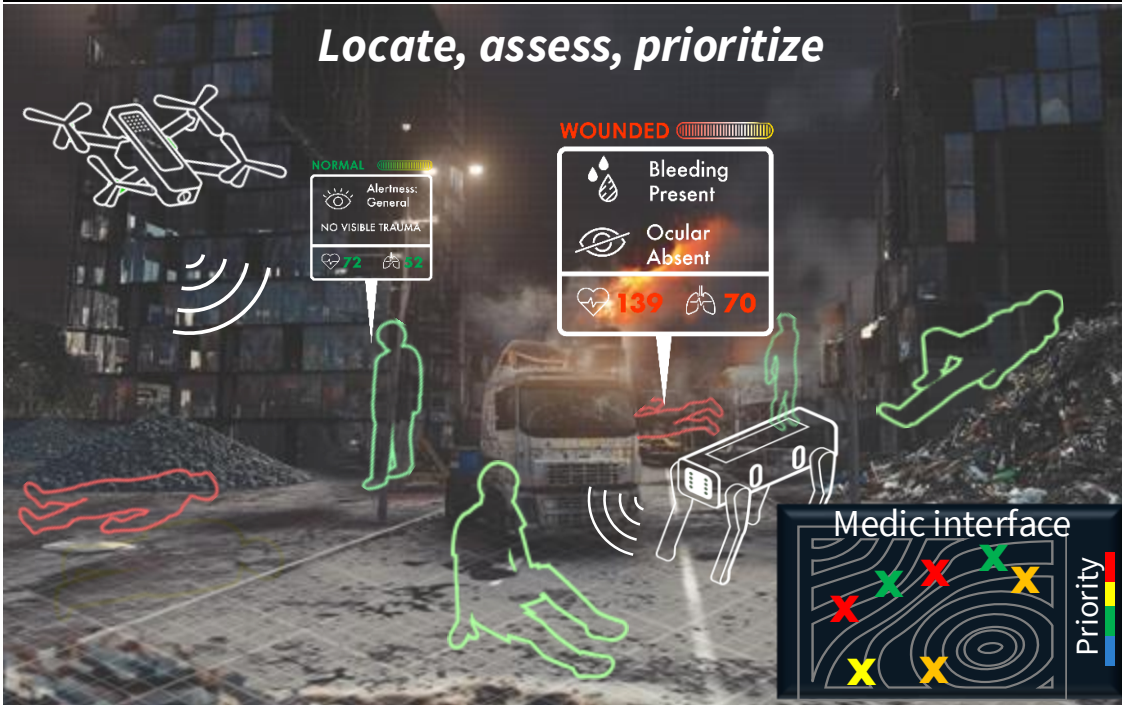
DARPA Triage Challenge



Problem: Current triage approaches are inadequate for mass casualty incidents and have limited value for predicting need for life-saving medical interventions.

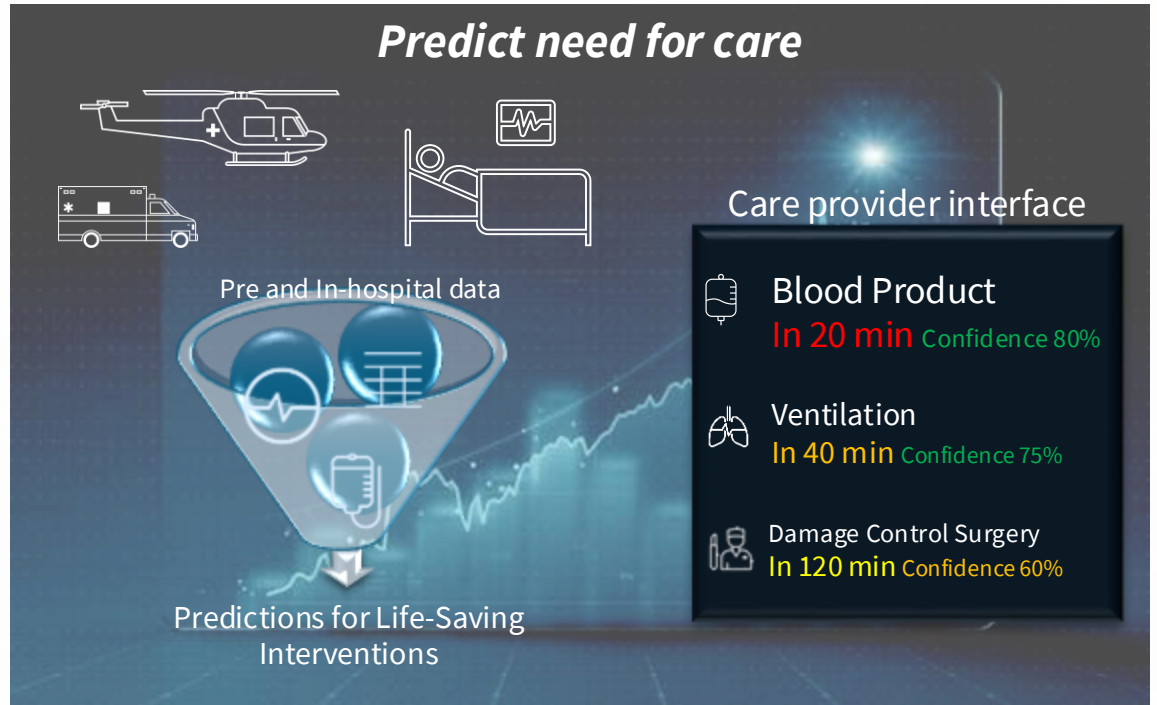
Systems Competition

Locate, assess, prioritize



Data Competition

Predict need for care



Vision: Scalable, timely, accurate capture of novel injury signatures to enhance triage decision-making in austere, complex, and mass-casualty settings.



Become a BTO Program Manager

Shape the Future of Biotechnology at DARPA

- Design and launch ambitious research with significant funding.
- Collaborate with top minds across academia, industry, and government.
- Drive Breakthroughs: From concept to demonstration in just 2-4 years.
- Shape fields and deliver national security advantages.

There are few opportunities where one can strive to create and prevent technological surprise, working alongside leaders in multiple fields, even Nobel Laureates, to solve tomorrow's hardest challenges; PMs at DARPA are afforded that opportunity every day."

—William Mounfield, Ph.D, BTO PM

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ERIS Marketplace

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ERIS is DARPA's digital environment for post-competitive, readily awardable technology solutions delivered via 7-minute pitch videos.

ERIS is open to all U.S.-based innovators—startups, researchers, universities, nonprofits, large businesses, and individuals.

Submissions accepted on a rolling basis.

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BTO is accepting submissions under the following topic areas:

Topic Area 4

Supports technologies for defense of humans and elements of the bioeconomy.

Topic Area 5

Supports technologies for human health and performance optimization.

Office-Wide Solicitation

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<https://www.darpa.mil/about/offices/bto#opportunities>

This announcement seeks revolutionary research ideas for topics not being addressed by ongoing BTO programs or other published solicitations.

Submissions accepted on a rolling basis.

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