



The U.S. Army Medical Research and Materiel Command

Command Overview

Maj. Gen. Brian C. Lein

Commanding General
U.S. Army Medical Research and Materiel Command and Fort Detrick
and Deputy for Medical Systems to the Assistant Secretary of the Army
for Acquisition, Logistics, and Technology



Mission and Vision



MISSION

Responsively and responsibly create, develop, deliver, and sustain medical capabilities for the Warfighter.



VISION

Lead the advancement of military medicine.





We Save Lives



Focused on materiel and knowledge-based medical solutions to:

- » Increase warfighter fitness, health, protection and resilience
- » Improve downrange health delivery
- » Enhance recovery, rehabilitation or reintegration





Responding to Threats to Service Member Health and Performance



Endemic Disease Threats

- Parasitic Diseases
- Bacterial Diseases
- Viral Diseases

Environmental Hazards

- Heat and Cold
- Altitude
- Toxic Industrial Chemicals & Materials

Operational Stressors

- Sleep Deprivation
- Traumatic Stress and Situational Stressors
- Physical Work Load
- Cognitive Burden & Operational Complexity

Combat Injuries

- Hemorrhage
- Head Trauma
- Blast Injury



Battle Sequelae

- Loss of limbs
- Loss of tissue
- Loss of vision
- Pain

Chemical/Biological Warfare Threats

- Bacterial Threats
- Viral Threats
- Toxin Threats
- Nerve Agents
- Vesicant Agents
- Blood Agents

Systems Hazards

- Laser
- Blast
- Biomechanical Insults and Stresses
- Noise

Training & Information

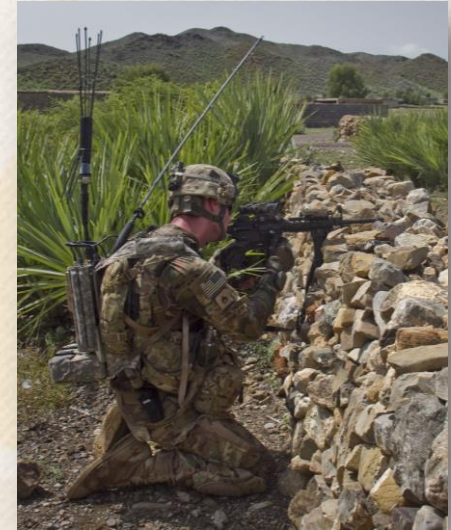
- Medical Simulation & Training
- Health Information Sciences



Future Focus Areas



- » Pacific
 - » Chemical, Biological, Radiological and Nuclear threats
 - » Infectious Diseases
 - » Telemedicine
- » Inter-War Areas of Relevancy
 - » Brain Health
 - » Point of Injury/Pre-Hospital Care
 - » Resiliencies and Rehabilitation
 - » Joint Enterprise Medical Logistics
 - » Telemedicine
 - » Systems Biology
- » Force 2025 and Beyond
 - » Human Dimension/Performance Optimization
 - » Megacities





What to Expect



- » The opportunity to talk about USAMRMC's science and technology and advanced development missions, programs and particularly the identified gap areas
- » An increased understanding of the USAMRMC and our military medical missions, goals and objectives
- » Stimulate submission of strong proposals in response to our needs





Conference Highlights



- » Science and Technology Overview
Dr. Frazier Glenn, Principal Assistant for Research and Technology), USAMRMC
- » Advanced Development and Program Management Overview
Dr. Kenneth Bertram, Principal Assistant for Acquisition, USAMRMC
- » Doing Business with USAMRMC (Contracting)
- » Details about the USAMRMC's Research Program Areas





Why Partner with Military Medicine?



- » Select, modify and procure commercial medical materiel solutions (95% of time)

- » We lead R&D when:
 - » The issue is unique to the military
 - » Blast injuries
 - » Little investment from the private sector
 - » Endemic diseases in specific area of responsibility





Resources for our Business Partners



- **Office of Small Business Programs**

<http://www.mrmc.smallbusopps.army.mil/>

- **New Product Ideas Web Portal**

<http://mrmc-npi.amedd.army.mil/>

- **Guide to Working with Us**

<https://mrmc.amedd.army.mil/index.cfm?pageid=work.overview>

