



Support to the Warfighter Symposium

September 29-30, 2021

VIRTUAL

Hosted by:

Office of United States Senator Richard Burr

Office of United States Senator Thom Tillis

North Carolina Military Business Center

North Carolina Biotechnology Center

UNC System

Save the Date:

Medical, Biomedical & Biodefense: Support to the Warfighter Symposium

Medical, Biomedical, Biodefense: Support to the Warfighter Symposium 2021

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The Fort Bragg Research Institute (FBRI)

A program of The Geneva Foundation focused on Human Performance of the Warfighter.

The FBRI supports research addressing the gaps, needs and requirements of Warfighting Commands, ensuring that functional, cutting-edge, evidence-based solutions



Our Panel

Dr. Y. Sammy Choi, WAMC DCI

COL James Czarnik, Command Surgeon USASOC

Mr. Tony Matcham, Medical Capabilities Developer, USASOC

LTC George Barbee, JSOC - JMU

LTC Dan Hanks, XVIIIABC



Womack Army Medical Center

Dr. Y. Sammy Choi, WAMC DCI

1. Animal research that translates into operational readiness.
2. Human performance optimization to include prediction of over-training/over-reaching, heat injury, muscle failure during endurance events aka bonking (different then over-training), and possible infection, sleep, nutrition, and behavioral health, suicide.
3. Clinical research related to growing residencies specifically in internal medicine and surgery.
4. Artificial intelligence. How can outside entities work within a secure environment?



USASOC

COL James Czarnik, Deputy Chief of Staff – Surgeon
Mr. Tony Matcham, Medical Capabilities Developer

Damage Control Resuscitation

Prolonged Field Care (PFC)

Portable Lab Assays and Diagnostics

Force Health Protection and Environmental Medicine

Medical Simulation and Training Technologies

Human Performance Optimization

Canine Medicine



JSOC - JMU

LTC George Barbee, JSOC - JMU

1. Hypothermia prevention, mitigation, or reversal.
2. Medical equipment delivery in austere environments
3. EMP hardening of medical devices
4. Non-invasive lab capabilities
5. Cognitive enhancement
6. OODA loop enhancement for decision-making
7. Neuro-cognitive protective measures



XVIIIABC

LTC Dan Hanks, XVIIIABC

1. Low Titer “O” Whole Blood (LTOWB), Fresh Whole Blood (FWB), Walking Blood Bank (WBB) – Institutionalize across the XVIII ABC resourcing / equipping / training / maintaining.
2. Medical Simulation Training Center (MSTC) / medical training platform enhancement (physical plant expansion to accommodate PEO STRI’s second MSTC “starter kit” w/contractors; and money for CLVIII)
3. Perfused cadaveric trauma training (establish the capability and “battle rhythm” institutionalize as an annual or semi-annual training event
4. MIL-CIV partnership opportunities for conventional medical personnel





THANK YOU

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BIODEFENSE**

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