

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



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 Hankes, 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/overreaching, 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 Hankes, 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

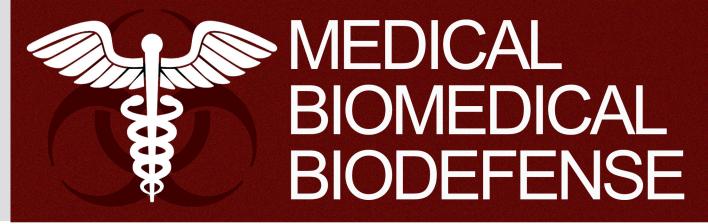
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ROTORS

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