

# How to Maximize your MTEC Membership

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# Who should be in the spotlight?

1) wounded warriors

2) funding  
sponsors

3) MTEC member  
solution providers

4) MTEC staff



# Getting started...

- Provide your designated POCs – technical and business.
- Connect numerous individuals in your organization to the MTEC information flow -
  - Quarterly Newsletters
  - Solicitation Announcements
  - MTEC Member's Only site

# Help us spread the word about you...

- MTEC Minute
- Quad Chart
- Website Link
- Notices and Press Releases
- Interviews for the Newsletter

# Participate in MTEC events...

- Annual Membership meetings – attend and host
- Webinars
- Speed Networking events
- Military Health System Research Symposium

# Leadership Opportunities...

- Nominate individuals to serve on the Board
- Volunteer to serve on a Board Committee

# Not sure if a solicitation is a good fit?....

- Touch base directly with the MTEC Director of Research regarding your concerns/questions
- Consider permitting DOR to shop your proposal with other organizations under controlled circumstances under an NDA

# Multiple bites at the apple....

- Are eligible to stay in the “basket” for two years.
- May receive funding from the original sponsor, different federal sponsor, a private sector funding sponsor, or some combination of the above.



# Build Collaborative Teams....

- Many research opportunities include complex, multi-disciplinary requirements
- Sponsors are seeking team-oriented approaches to address their requirements

# Solicitation Notices....

- Amendment notices will be e-mailed to members and posted to FedBiz Opps
- Check in frequently to the members only website during active solicitations
- FAQs and other relevant information will be posted to inform your response.

# Upcoming Specific Research Areas of Interest....

## **Infectious Diseases**

- Technologies that combat antibiotic-resistant bacteria and fungi
- Approaches using systems biology that support the use of a single therapy for multiple clinical applications, such as those related to dysentery diseases or antibiotic resistance

# Upcoming Specific Research Areas of Interest....

## **Care of Combat Casualties**

- Drugs or devices that assist in the diagnosis of Traumatic Brain Injury
- Technologies that can provide prolonged care to injured patients in an austere battlefield environment

# Upcoming Specific Research Areas of Interest....



## **Clinical and Rehabilitative Medicine**

- Improvements to the manufacturing processes for regenerative medicine products
- Vision restoration
- Hearing restoration/repair technologies
- Treatments of spinal cord injury that facilitate increased movement and control of muscles within extremities
- Artificial organ replacement
- Systemic peripherally acting analgesics for severe acute pain

# Upcoming Specific Research Areas of Interest....



## **Clinical and Rehabilitative Medicine**

- Novel implanted or external interfaces that can acquire high fidelity physiological signals to drive advanced prosthetics or provide sensory/proprioceptive input
- Technologies to objectively assess NeuroMusculoSkeletal rehabilitation across the spectrum of care from initial injury through return to duty/reintegration
- Decellularization/recellularization scaffolding strategies to regenerate or replace organs
- 3D bioprinting and biofabrication of tissues and organs

# Upcoming Specific Research Areas of Interest....



## **Military Operational Medicine**

- A suite of wearable physiological and performance sensors to assess Warfighter thermal strain, energy expenditure, and cognitive and physical performance
- Pharmaceutical interventions to prevent hearing loss from exposure to hazardous noise
- Nutrition-based interventions to promote efficient and timely recovery from injury and maintain the overall health of Service members in garrison and during operations
- Evidence-based tools that address a broad range of behavioral health issues, including suicide prevention, resilience, substance abuse, Family issues and high risk behaviors

# Upcoming Specific Research Areas of Interest....



## **Military Operational Medicine**

- Pharmacological- and/or behavioral-based methods to treat post-traumatic stress disorder and restore the psychological health of Warfighters
- Injury criteria and medical performance standards to protect against hearing loss, vestibular injury, and ocular facial injury from blast and directed energy threats
- Novel pharmacological and non-pharmacological interventions to promote sleep, manage sleep/work cycles, maintain cognitive performance, and improve overall Service member readiness
- An integrated platform to characterize host responses to environmental health hazards in terms of pathogenic and adaptive processes to prevent or mitigate health effects of exposures to toxic chemicals



# Upcoming Specific Research Areas of Interest....

## **Medical Simulation and Information Sciences**

- Health Information Technology/Informatics
- Medical Simulation and Modeling

# Upcoming Specific Research Areas of Interest....



## **Advanced Medical Technologies**

- Developing initiatives and products that will increase medical mobility while ensuring access to essential medical expertise and support regardless of the operating environment

## **Advanced Medical Regulatory and Manufacturing**

- Projects should focus on developing initiatives and manufacturing-related products to support the technology areas listed above to decrease the risk and time of product development advancing through the Food and Drug Administration regulatory process.