



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.