Who We Are

- A biomedical technology consortium collaborating under a 10-year renewable Other Transaction Agreement (OTA) with the U.S. Army Medical Research and Materiel Command (USAMRMC).
- MTEC will support USAMRMC requirements for:
  - biomedical research and prototyping;
  - capitalization of private sector technology opportunities;
  - technology transfer; and
  - commercialization of intellectual property and follow-on production.
- MTEC will be operated under a Prototype Other Transactions Agreement, designed to promote collaborative research, development, and testing, leading to technology demonstrations that advance the state-of-the-art of technology, transition new materiel technologies and improve medical practice.
- MTEC will represent a “first of its kind” construct that combines the “traditional” Government-funded prototype project work with requirements to raise and execute private sector funding that would support not only the individual projects, but also the companies who will execute those projects.
- MTEC currently is recruiting a broad and diverse membership that includes representatives from large businesses, small businesses, “non-traditional” government contractors, academic research institutions and not-for-profit organizations.

DONATE!

MTEC is a 501(c)(3) and your donation helps us enhance healing and return the wounded to fully functioning lives.

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What We Do

Prevention, Diagnosis, & Treatment of Infectious Diseases

This objective focuses on infectious diseases encountered by service members during deployment and those that can significantly impact performance. Research and development efforts may include vaccines, anti-parasitic drugs, deployable field clinical diagnostics (human and vector), prophylactics and novel therapeutics to treat multi-drug resistant organisms in combat wound infections, and vector control – pertinent to naturally occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.

Care of Combat Casualties

This objective focuses on the development of medical interventions that can be used on the battlefield to reduce morbidity and mortality. Research and development may include efforts to develop and evaluate drugs, biologics, and/or devices for hemostatic control, resuscitation and blood products; diagnosis and treatment of traumatic brain injury and spinal cord injury; treatments for extremity trauma, tissue injury, lung injury and burns; en route care and intensive critical care (including advanced monitoring and pre-hospital care).

Support for Military Operational Medicine

This objective focuses on developing effective countermeasures against stressors and to maximize health, performance, and fitness. Research and development efforts may include diagnostics, treatments, and training solutions to prevent or reduce injury and improve physiological and psychological health and resilience. This objective also includes environmental health and protection including the assessment and sustainment of health and the operational effectiveness of Service members exposed to harsh operational environments including altitude, cold, heat, and exposure to environmental health hazards.

Support for Clinical & Rehabilitative Medicine

This objective focuses on innovation in definitive and rehabilitative care to reset wounded Service members in terms of duty, performance, and quality of life. Efforts may include developing medical technologies (drugs, biologics, and/or devices) and treatments/rehabilitation strategies (methods, guidelines, standards, and information) for acute and chronic pain management, regenerative medicine and composite tissue engineering, neuromusculoskeletal injuries (including advanced prosthetics and orthotics), and sensory systems (vision, hearing and balance restoration).

Support for Medical Training & Health Information Science

This objective focuses on exploring the implications for the use of technology for medical training and for the provision, management, and support of health services in the military. Research and development efforts may include improving military medical training through medical simulation, educational gaming, and objective training metrics, and improving the use and sharing of health related data for better strategic planning, process development, and software applications.

Support for Advanced Medical Technologies

This objective focuses on developing initiatives and products that will increase medical mobility while ensuring access to essential medical expertise and support regardless of the operating environment. Efforts may include e-health, digital warrior, hospital of the future integrative medicine, advanced orthopedic devices and treatments, advanced medical imaging technologies, robotic technologies to treat and rescue battlefield casualties, nanotechnology and biomaterials for diagnosis and therapy, technologies for treating neurological injuries, and regenerative medicine.

Become a member at mtec-sc.org
MTEC membership provides member organizations an opportunity to:

- Have access to information concerning Government technology requirements which may not be available to non-members. In addition to promoting information exchange with Government attendees at MTEC general membership meetings, MTEC officers and staff will work to foster discussions between the Government and consortium members on a case-by-case basis.

- Provide an executive from their organization to serve on the MTEC Board of Directors, or committees/subcommittees the Board may establish.

- Have "multiple bites at the apple" in a given solicitation cycle ("Basket Provision"). If funding is not available from the original sponsor at the time of source selection, that sponsor has the option of placing a source-selection-approved proposal in a "basket" with the option of funding it within two years of the date of the original solicitation should funds subsequently become available. The original proposal then may receive funding by:
  - The same funding sponsor at a later time when additional funds become available;
  - A different federal funding sponsor;
  - A private sector funding sponsor (philanthropic, foundation, venture, etc.);
  - Some combination of the above.

MTEC officers and staff will:

- Provide a forum for conducting emerging technology discussions among member organizations, and report the results of such discussions back to the Government to help shape the requirements the Government may publish in a subsequent research announcement.

- Facilitate interactions between and among consortium members so that proposals can be more collaborative and more closely aligned with specific Government requirements. Such collaboration should increase the potential for an award.

- Engage industry to gain a better understanding of their metrics for the technology areas being funded, thereby presenting a research target for MTEC members that would facilitate greater technology transfer opportunities.

- Engage other federal agencies that sponsor medical R&D and encourage them to consider using the USAMRMC OTA vehicle to fund some of their own research and development programs.

- "Shop" MTEC Member-originated white papers to private foundations, philanthropic organizations and others who might be interested in funding/co-funding the project concept being proposed.

- Maintain access to intellectual property rights professionals who could assist in licensing agreements and royalty valuation as desired by MTEC members.

- Maintain access to regulatory and clinical specialties that can assist early stage MTEC members in their research program development.

For more information and assistance with a membership application, contact:

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