

Advanced Research, Development, & Commercialization

For Military Researchers & Research Institutions:

The Military & Health Research Foundation works extensively with military physicians and researchers to propel a technology through the full development life cycle. MHRF supports the needs and goals of research teams from early research efforts through the prototyping phase of medical devices. This wholistic approach comes by building a product development pathway, applying end user feedback, identifying expert manufacturing, quality and regulatory guidance, and ultimately connecting to commercialization partners. While a variety of funding mechanisms that facilitate the development and transition of technologies exist, MHRF specializes in seeking upcoming funding opportunities and crafting submission documents that are strategically designed to appeal to the funding source. Utilizing agile project management and lean startup principles, the MHRF is committed to keeping award dollars funding the research rather than funding overhead and administrative costs.

For Military Medical Care Givers & Support Institutions:

MHRF continually scans the academic and commercial sectors to identify dynamic technologies from all areas of biomedical research. We target areas of special interest to military medicine by staying aware of capability gaps and stated command objectives.

For Academic & Industrial Institutions:

MHRF supports university/commercial partners by navigating through the complex assortment of government grants/funding and bridging the gap from DoD sponsoring entities to relevant private sector research and development areas.

Medical Solutions for Military & Civilian Trauma

Examples of MHRF's Current Initiatives:

- MHRF is currently collaborating with the Oregon Health and Science University (OHSU) and the United States Army Special Operations Command to facilitate the advanced development of novel lifesaving technologies for the pre-hospital care environment.
- MHRF is collaborating with Parker-Hannifin and the USAF 59th Medical Wing to complete the product development cycle for a novel Vascular Shunt for Limb Salvage following vascular injury. This project will culminate in a 510K submission to the FDA in 2018.
- MHRF is also collaborating with Parker-Hannifin on the development of a Fieldable Intravenous Expeditionary System to provide sterile intravenous solutions in the field.
- Additionally, MHRF has been instrumental in next generation REBOA technologies capable of providing partial REBOA to extend therapeutic duration and reduce additional ischemic injury. This research is advancing quickly and has received international attention and commercial interest.



Research Funding & Program Management

- Technology Transfer -- design, development and commercialization
- Recruiting and Staffing Solutions
- Full Life Cycle Program Management
- Prototyping
- Clinical Research Coordination
- IRB and IACUC protocol development
- Liaison with Research Sponsors
- Funding Evaluation and Identification
- Concept Evaluation, Protocol Management, & Requirements Analysis
- Proposal Development, Submission Tracking, and Award
- Systems Design, Engineering & Integration
- Testing, Evaluation & Life Cycle Mgt.
- Technology Licensing
- Process & Productivity Improvement
- Organizational Assessments
- Program Audits & Evaluations
- Research Design
- Identifying DOD Requirements

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CAGE: 6MX37

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Advantages of Working with MHRF

- Very low overhead costs maximizes funding applied to RDT&E
- Technology commercialization evaluation and funding proposal assistance at *no cost* to the research organization maximizes return on funding dollars and application success rate
- Integrating Research and Development efforts between Military Clinical Facilities, academic institutions, and private companies
- Subject Matter Expertise for science and technology, regulatory, business services, proposal writing, protocol development, design of experiment, clinical studies
- Support services for IT, purchasing, site selection, design services, leasing, communication, product development, and event planning
- Technology transfer - facilitating collaboration between military researchers, scientists, physicians with private industry and academia
- Recruiting and hiring exemplary personnel to meet your staffing needs

Your ideas can make a difference!



Contact Us Today:

Business Contact

Ramsey Taweel

President & CEO

(240) 417-0417

rtaweel@militaryhealthresearch.org

Technical Contact

Tom Gardner

Vice President

(210) 347-2962

tgardner@militaryhealthresearch.org



Learn more about our research interests. Follow us on:



Military & Health Research Foundation

Dedicated to the Advancement of Military Technology and Medical Research



8105 Crest Road

Laurel, MD 20723

Telephone: 866.460.2315

www.militaryhealthresearch.org

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