



FY19 JWMRP Advancement of Previous Department of Defense (DoD) or Service Funded Medical Research and Development (R&D) Projects

Solicitation Number: W81XWH-19-RFI-JWMRP

Agency: Department of the Army

Office: U.S. Army Medical Research Acquisition Activity

Synopsis:

1.0 SUBJECT: The Joint Warfighter Medical Research Program (JWMRP), managed by the Congressionally Directed Medical Research Programs (CDMRP) at the US Army Medical Research and Materiel Command, provides an opportunity to advance previously funded DoD or Service medical R&D projects that address the medical requirements of the Services. The JWMRP complements and enhances the Defense Health Program by facilitating the further development of promising industry and academic efforts. Each year a broad spectrum of R&D initiatives are considered under the JWMRP. The science and technology development efforts are aligned to one of the six Joint Program Committee (JPC) scientific domains. These are: Medical Simulation and Information Sciences (JPC-1), Military Infectious Diseases (JPC-2), Military Operational Medicine (JPC-5), Combat Casualty Care (JPC-6), Radiation Health Effects (JPC-7), and Clinical and Rehabilitative Medicine (JPC-8). Through research efforts focused in advanced technology development and product demonstration and validation, the JWMRP offers a pathway to transition maturing medical solutions to the Military Health System (MHS) for the benefit of our Service members and other MHS beneficiaries. In accordance with the Congressional language, the funds appropriated for the JWMRP shall be used to augment and accelerate high priority DoD and Service medical requirements and to continue prior year initiatives that are close to achieving their objectives and yield a benefit to military medicine. These funds shall not be used for new projects or for basic research.

2.0 DISCLAIMER: This Request for Information (RFI) is issued solely for information and planning purposes and does not constitute a solicitation. Neither unsolicited proposals nor any other kind of offers will be considered in response to this RFI. Responses to this notice are not offers and will not be accepted by the Government to form a binding contract. Responders are solely responsible for all expenses associated with responding to this RFI. All information received in response to this RFI that is marked Proprietary will be handled accordingly. Responses to the RFI will not be returned. At this time, questions concerning the composition and requirements for a future RFP will not be entertained.

3.0 DESCRIPTION: The Fiscal Year 2019 JWMP has requirements in the following areas:

JPC-1/Medical Simulation and Information Sciences Research Program (MSISRP): The MSISRP manages research programs to explore the implications of models and technology for medical education and for the provision, management, and support of health services in the military. The major research and development focus areas are the following:

Medical Modeling, Simulation, and Training Technologies:

- o Combat Casualty Training Initiative: Examine the efficacy of modern simulation system technology vs. current models for advancing combat casualty trauma training
- o Medical Readiness Initiative: Medical provider training systems and assessment of competence for sustained military medical readiness
- o Tools for Medical Education: Promote medical simulation-related technologies by providing tools for providers to easily develop new products and content
- o Health-Focused Initiative: Develop and test self-care technologies that patients use, whenever and wherever they choose, to manage personal health and wellness

Health Informatics and Health Information Technologies:

- o Theater/Operational Medicine: Promote, improve, conserve, or restore the mental or physical well-being of personnel through improved health information management and technologies
- o Military Healthcare Services: Enhance the efficiency of healthcare operations, ensure the delivery of high-quality healthcare services by improving information accessibility and by providing better decision support for clinicians
- o Information Technology (IT) Infrastructure and Data Management: Improve management of health IT and communications infrastructure, healthcare data management, and architecture
- o Medical Resourcing: Improve the management of healthcare human and financial resources

JPC-2/Military Infectious Diseases Research Program (MIDRP): The MIDRP focuses on preventative and therapeutic measures for infectious diseases. These efforts specifically focus on vaccines, anti-parasitic drugs, field-deployable clinical diagnostics (human and vector), prophylactics, and novel therapeutics to treat multidrug-resistant organisms in combat wound infections, as well as vector control pertinent to naturally occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness. The major research and development focus areas are the following:

- o Novel drug delivery systems
- o Novel medical countermeasures and innovative treatment approaches for multidrug-resistant organisms in combat wound infections and/or biofilm formation, maintenance, or propagation
- o Treatment options for infectious diseases likely to lead to FDA-licensable, broadly active therapeutics against multiple endemic disease threats

JPC-5/Military Operational Medicine Research Program (MOMRP): The MOMRP conducts biomedical research to deliver products and solutions to Service members that address health and fitness throughout the deployment cycle. The major research and development focus areas are the following:

- o Injury Prevention and Reduction
- o Musculoskeletal Injury
- o Psychological Health and Resilience Focused on Decreasing Post-Traumatic Stress Disorder, Depression and Anxiety Disorders, Suicide and Risk Behaviors
- o Physiological Health and Performance
- o Environmental Health and Protection

JPC-6/Combat Casualty Care Research Program (CCCRP): The CCCRP provides integrated capabilities for current and future operations to reduce the mortality and morbidity associated with major combat-related trauma across the spectrum of en-route care and facilities-based treatment. A primary emphasis of the CCCRP is to identify and develop medical techniques and materiel (medical devices, drugs, and biologics) for early intervention in life-threatening battle injuries and Prolonged Field Care. The major research and development focus areas are the following:

- o Forward Surgical Critical Intensive Care
- o En-Route Care
- o Hemorrhage Control & Resuscitation
- o Neurotrauma/Traumatic Brain Injury
- o Military Medical Photonics

JPC-7/Radiation Health Effects Research Program (RHERP): The RHERP focuses on developing countermeasures for acute ionizing radiation injury. The major research and development focus areas are the following:

- o Post-exposure mitigation of radiation injury
- o Protection and prevention of injury from ionizing radiation exposure (prophylaxis)
- o Development of novel radiation biodosimetry tools

JPC-8/Clinical and Rehabilitative Medicine Research Program (CRM RP): The CRM RP focuses on the innovations required to reset our wounded Service members, both in terms of duty performance and quality of life. Innovations developed from CRM RP-supported research efforts are expected to improve restorative treatments and rehabilitative care to maximize function for return to duty or civilian life. The major research and development focus areas are the following:

- o Neuromusculoskeletal Injury Rehabilitation
- o Vision Restoration and Rehabilitation
- o Hearing Restoration and Hearing Loss Rehabilitation
- o Balance Disorders and Tinnitus
- o Pain Management
- o Regenerative Medicine and Composite Tissue Engineering

4.0 SUBMISSION INSTRUCTIONS: Entities desiring to submit an FY 19 JWMP Letter of Interest (LOI) must log into the electronic Biomedical Research Application Portal (eBRAP) (<https://ebrap.org>) and paste the following link into your browser window to complete the required steps.

<https://ebrap.org/eBRAP/application/restrictedNewPreApps.htm?accessCode=p48df81ism33e&clientAcronym=CDMRP>

You must be registered in eBRAP in order to submit the LOI. If you do not have an eBRAP account, then you must register. During eBRAP registration, the PI should request to be affiliated with his/her organization from the list of organizations already registered with eBRAP. The PI should also identify a Business Official from the list of Business Officials registered with eBRAP. If either the PI's organization or the organization's Business Official is not registered with eBRAP, the PI MUST INVITE them to register.

You must populate all the tabs in eBRAP and submit the completed LOI Form which is attached to this RFI and is posted in eBRAP for your use. The Clinical Trial and Technology Readiness Level Definitions is attached and provided in eBRAP for in determining the current and projected TRL for your research or

product development effort. **All research or product development efforts submitted for continuation must currently be at a minimum TRL 4 or 5.**

The FY19 JWMP Letter of Interest submission deadline is 5:00PM Eastern Time on 1 February 2019.

5.1 SUBMISSION CONTACT INFORMATION: Any questions related to submission of the Letter of Interest through eBRAP should be directed to the CDMRP Help Desk, 301-682-5507 or help@eBRAP.org which is available Monday through Friday from 8:00 a.m. to 5:00 p.m. Eastern time. Questions related to the content of the RFI shall be sent to Mr. Doug Medcalf at douglas.a.medcalf.civ@mail.mil. Telephonic communication will not receive a response.

RFI FY19 JWMP

Type: Other (Draft RFPs/RFIs, Responses to Questions, etc.)

Posted Date: TBD

[RFI FY19 JWMP.doc](#) (51.00 Kb)

Description: FY19 JWMP Advancement of Previous DoD or Service funded Medical Research and Development Projects