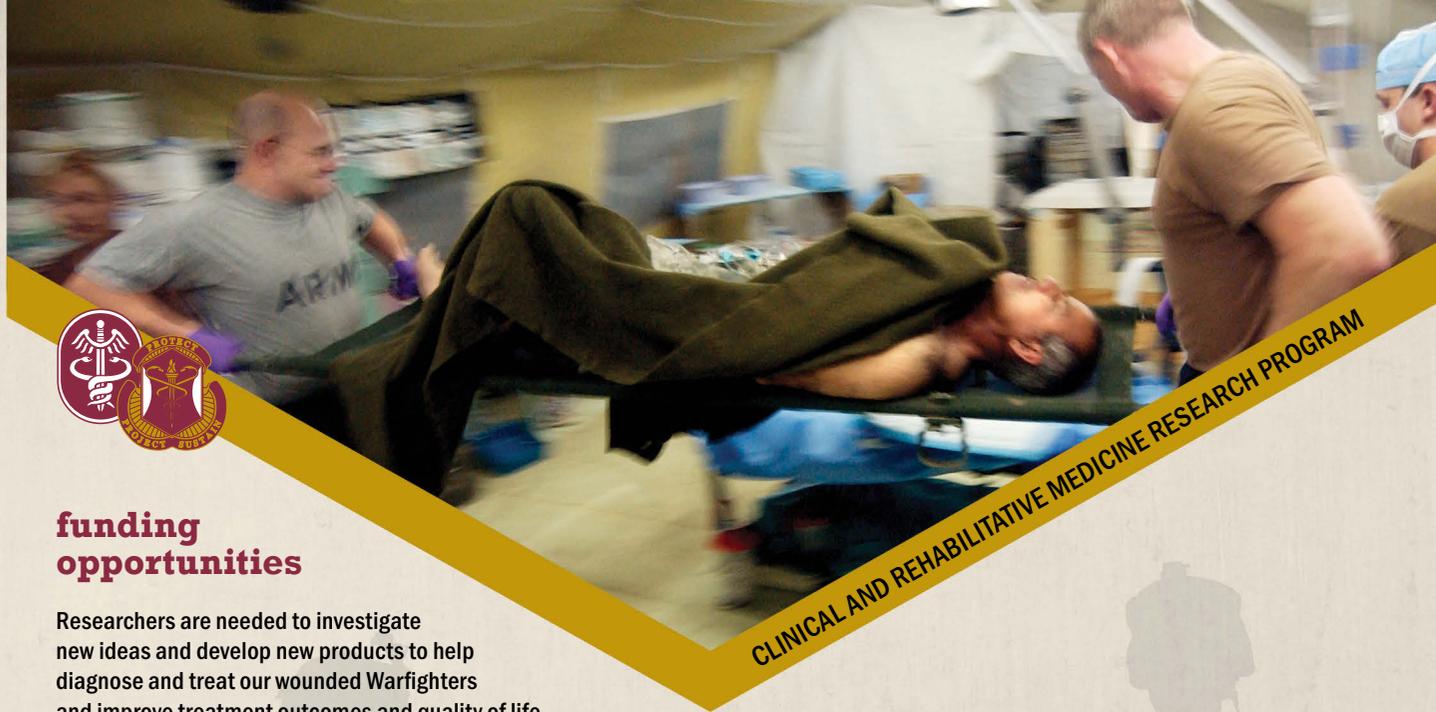


work in progress

Examples of projects currently under way:

- Use of a Virtual Integration Environment for Prosthesis Training and Treatment of Phantom Limb Pain in Amputees
- A Randomized Trial of Musculoskeletal Pain Treatment in a Military Population
- Developing Biomarkers for Fibromyalgia
- Chronic Pain Treatment by Controlled Release of Local Anesthetics from Biocompatible Hydrogel Wound Dressings
- Pharmacological Studies of NOP Receptor Agonists as Novel Analgesics
- Development of a Novel Therapy for Chronic Neuropathic Pain
- Development of a Novel Injectable Controlled Analgesic Delivery System for Effective Pain Management



funding opportunities

Researchers are needed to investigate new ideas and develop new products to help diagnose and treat our wounded Warfighters and improve treatment outcomes and quality of life. Funding opportunities and program announcements can be found through the federal government's single-entry portal www.grants.gov. Full proposals requesting funding from the CRMRP should be submitted via this site.

Registration: www.grants.gov
Questions: support@grants.gov

contact info

For more information about the CRMRP, or for questions related to program announcements, proposal format, or required documentation, please send inquiries to crmrp@amedd.army.mil, or contact the CRMRP office at 301-619-8932.

Please mail inquires to:
U.S. Army Medical Research and Materiel Command
Clinical and Rehabilitative Medicine Research Program
ATTN: MCMR-RTR
504 Scott Street
Fort Detrick, MD 21702-5012

FOCUS ON:

Pain management



U.S. Army Medical
Research and
Materiel Command

<https://crmrp.amedd.army.mil>

CRM RP



background

The injuries of Operations Enduring and Iraqi Freedom (OEF/OIF) are shaped by the widespread use of improvised explosive devices (IEDs). IEDs increase the likelihood that active-duty service members will be exposed to incidents such as blasts that can cause traumatic brain injuries and other debilitating injuries. Since 2001, there have been more than 30,000 battlefield injuries, with most receiving more than one injury. Current war casualties are driving changes in health care needs and, therefore, changes in research and development.

The U.S. Army Medical Research and Materiel Command's establishment of the Clinical and Rehabilitative Medicine Research Program (CRM RP) will enable active planning and coordination of an area of military research that has grown in importance during the current conflicts. The CRM RP focuses on definitive and rehabilitative care innovations required to reset our wounded warriors in terms of duty, performance, and quality of life.

The CRM RP has 4 primary focus areas:

- Regenerative Medicine
- Neuromusculoskeletal Injury Rehabilitation
- Sensory System Traumatic Injury Restoration and Rehabilitation
- **Pain Management**

what&why

Pain Management focuses on improving management of acute and chronic pain, establishing safety margins for individual prescriptions, identifying and treating pain generators, and developing strategies to empower patients in managing their pain.

Statistical research findings regarding wound injuries acquired during OIF or OEF demonstrate the need to prioritize medical research in this area:

- According to the Army Office of the Surgeon General, since 2001, there have been more than 1,200 amputations in OIF, OEF and unaffiliated conflicts – half of which were caused by IEDs
- Roughly 47% of returning Iraq and Afghanistan veterans have reported pain-related problems and symptoms (American Academy of Pain Medicine, 2008)
- Pain is a leading cause of short- and long-term disability among military personnel
- Of soldiers injured in OIF/OEF, ~71% present to the theater hospitals with significant pain as defined by a score of 5 or greater on a 0-10 scale. Approximately 49.6% had pain scores of 7 or greater, indicating severe pain (JTTR, 2008)

top priorities

Scientific steering committees were formed to identify and prioritize current and future research needs. Capability gaps were analyzed and rankings were assigned to various problem areas. Results helped the CRM RP to establish program direction, priorities, and funding strategies.

In the area of Pain Management, specific capabilities in need of supporting research include:

- Improved strategies for management of chronic pain
- Strategies for the management of acute pain in the context of chronic pain
- Addressing psychosocial aspects of recovery and the management of pain
- Improving substance abuse assessment and treatment in pain management
- Development of clinical practice guidelines for pain management



CRM RP

