

# The Defense Health Research Consortium

April 14, 2020

Senator Richard Shelby  
Chair  
Subcommittee on Defense  
Committee on Appropriations  
122 Dirksen Senate Building  
Washington, DC 20510

Senator Richard Durbin  
Ranking Minority Member  
Subcommittee on Defense  
Committee on Appropriations  
115 Dirksen Senate Building  
Washington, DC 20510

Dear Chairman Shelby and Ranking Member Durbin:

As you continue your efforts to provide the investments needed to respond to the novel coronavirus pandemic, we thank you and encourage you to continue your support for the critical and highly successful defense health research programs funded through the Congressionally Directed Medical Research Programs (CDMRP) at the Department of Defense (DoD). Many of these programs are directly related to preparedness and response to global pandemics, while other equally important CDMRPs fund research to protect the men and women who serve in our Armed Forces, military families, veterans, and civilian populations from a wide range of medical conditions and health challenges. We therefore encourage you to increase funding for these critical programs by five percent plus inflation, to ensure that our country is prepared to meet current and future public health-related threats and challenges to our national security.

The highly innovative research portfolio supported by the CDMRP fuels scientific discovery by funding high impact research not sponsored by the National Institutes of Health (NIH), the Department of Veterans Affairs (VA) and other federal agencies. Many of the programs' award mechanisms propel the exploration of revolutionary ideas and concepts. Programs focus on the potential of having a significant impact upon both their respective fields of research and support and treatment for members of the military. Defense health research programs are worthy of continued federal support for the following reasons:

- Directly relevant to DoD-prevalent conditions: The medical research programs at DoD directly impact the health and lives of the U.S. military, their families, veterans and the public. Programs provide groundbreaking research on psychological health, Gulf War Illness, effects of burn pits and other airborne hazards, spinal cord injury, and hearing and vision loss (which comprise a significant portion of current battlefield injuries). Research also focuses on existing and emerging infectious diseases that may threaten operational readiness and health security, and why diseases like ALS and multiple sclerosis occur at greater rates in those who have served in the military. The DoD's defense health research program has also funded the orthopedic research program that has resulted in new limb-sparing techniques to save injured extremities and preserve and restore the functions of injured extremities.

Equally important, this disease-specific approach includes important medical research programs related to several forms of cancer (breast, blood, colorectal, kidney, melanoma, pancreatic, brain tumors, lung, ovarian, prostate, stomach, liver, cancers related to radiation exposure, rare and childhood cancers), autoimmune diseases and other disorders (like neurofibromatosis and tuberous sclerosis complex) that have led to breakthroughs on nerve regeneration, traumatic brain injury (TBI) and post-traumatic stress disorder (PTSD).

- Complementary – and not duplicative – of other federal research: Defense health research program grants neither duplicate nor supplant NIH or VA research efforts, but rather enhance those efforts. They fund highly innovative projects – support that is typically unavailable through other federal programs. For example, programmatically- related VA research funding is only available to VA employees (at least 0.625 full-time equivalent). CDMRP funds the best-qualified proposals from researchers and research teams at top research universities and medical centers. The NIH and DoD medical research portfolios have symbiotic relationships, allowing NIH-funded basic research to serve as a foundation for ground-breaking, disorder-targeted research at DoD. NIH and DoD program officers meet regularly to ensure collaboration and prevent duplication.
- Cutting-edge and focused on cures: While the NIH funds high-quality basic biomedical research, the defense health research programs provide essential emphasis on and support for finding innovative cures or new therapies for medical conditions. For several disorders, DoD breakthroughs have led to new clinical trials, new drug products, and novel procedures that are making a difference in the everyday lives of affected patients and families. For example, research funded by DoD led to the development of the only treatment for tuberous sclerosis complex approved by Food and Drug Administration. The ALS Research Program is supporting translational research and has developed four potential treatments for the disease, for which a transformative treatment currently does not exist. Enclosed is a detailed white paper providing many examples of breakthroughs that have benefitted active duty warfighters, veterans, military families and civilian populations.
- Agile, adaptable, and collaborative: Each of the separate programs is guided by a specific vision and mission statement, which in addition to incorporating Congressional direction, reflect rapid change in knowledge, address research gaps, and prevent duplication. Annual funding prevents out-year budget commitments, which in turn further enhances programmatic flexibility. Many DoD programs identify, develop and fund collaborative and consortium-based research, helping to bring unique, interdisciplinary, inter-institutional, collaborative efforts to bear on complex medical research issues unlikely to be solved though the inherent limits of individual researchers.

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- Competitive and unique peer review process: While Congress allocates funding through the annual Defense Appropriations Act to specific medical conditions, it does not direct the programs' dollars to specific researchers. These programs utilize an efficient multi-tiered process that includes multiple stages of peer review, including two levels of formal peer review of final proposals. Proposals are scored in a number of key areas such as scientific merit and impact for patients and the military, providing a robust comparative basis for helping accomplish the program's mission of finding and funding the best research related to these important medical conditions.
- Consumer review: All defense health research programs incorporate the full and equal participation of consumer reviewers at every stage of the multi-tiered review process – a novel and valuable practice in medical research funding. Consumers – people actually affected by the disease or medical condition – help ensure the program's funded research will have the greatest impact on those who are affected. Consumer reviewers also help inform and educate their disease advocacy communities and others.
- Generating economic growth across the United States: Research activities promote job growth and encourage long-term economic development through innovation. It has been estimated that for every dollar awarded in biomedical research grants, more than \$2 of additional business activity is created. Defense health research grants are awarded to universities and institutes in every state in the country.

In short, the well-executed and efficient programs within the defense health research programs demonstrate responsible government stewardship of taxpayer dollars and benefit current and former military service members, the general patient population, and our nation's economy.

Perhaps most importantly, DoD's innovative approaches to funding biomedical research have led to several significant breakthroughs and achievements, contributing to national security and the health and welfare of U.S. Armed Forces personnel and their dependents. Continued federal funding will only build on these successes.

Lastly, we encourage timely enactment of the fiscal year 2021 Defense Appropriations Act, to ensure continuity in the defense health research programs. We recognize the challenges that the current pandemic has placed on your ability to move appropriations bills through the "regular order" process. However, we must continue to maintain continuity in investment in this important research to ensure that our nation is prepared for future pandemics and other public health challenges that threaten our current military populations and their families, as well as veterans and the general civilian population.

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Therefore, the undersigned respectfully request your support increasing the appropriation for defense health research programs by five percent plus inflation in the FY 2021 Defense Appropriations Act.

Sincerely,

Action to Cure Kidney Cancer  
ALS Association  
American Academy of Allergy, Asthma & Immunology  
American Academy of Dermatology Association  
American Academy of Neurology  
American Academy of Ophthalmology  
American Association for Cancer Research  
American Association for Dental Research  
American Autoimmune Related Diseases Association  
American Brain Tumor Association  
American Cancer Society Cancer Action Network  
American College of Obstetricians and Gynecologists  
American College of Rheumatology  
American Epilepsy Society  
American Gastroenterological Association  
American Liver Foundation  
American Psychological Association  
American Society for Gastrointestinal Endoscopy  
American Urological Association  
Aplastic Anemia & MDS International Foundation  
APS Foundation of America, Inc.  
Arthritis Foundation  
Asbestos Disease Awareness Organization  
Association of American Cancer Institutes  
Association of American Universities  
Asthma & Allergy Foundation of America  
Batten Disease Support and Research Association  
Beyond Celiac  
Bladder Cancer Advocacy Network  
Blinded Veterans Association  
Brain Recovery Project: Childhood Epilepsy Surgery Foundation  
Cancer ABCs  
Celiac Disease Foundation  
Child Neurology Foundation  
Children's Cardiomyopathy Foundation  
Children's Tumor Foundation

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Christopher & Dana Reeve Foundation  
Citizens United for Research in Epilepsy  
Coalition for National Security Research  
CureHHT  
Danny Did Foundation  
Deadliest Cancers Coalition  
Debbie's Dream Foundation: Curing Stomach Cancer  
debra of America  
Duke Health  
Duke University  
Dup15q Alliance  
ECAN Esophageal Cancer Action Network  
Epilepsy Foundation  
Epilepsy Leadership Council  
Fight Colorectal Cancer  
FORCE: Facing Our Risk of Cancer Empowered  
Foundation for Peripheral Neuropathy  
Foundation to Eradicate Duchenne  
George Mason University  
Global Health Technologies Coalition  
Global Healthy Living Foundation  
Global Liver Institute  
GO2 Foundation for Lung Cancer  
Hepatitis B Foundation  
HIV Medicine Association  
Immune Deficiency Foundation  
Indiana University  
International Myeloma Foundation  
International Pemphigoid Foundation  
Johns Hopkins University  
KidneyCAN  
Kidney Cancer Association  
LAM Foundation  
Leukemia & Lymphoma Society  
LGS Foundation  
Littlest Tumor Foundation  
Living Beyond Breast Cancer  
LUNgevity Foundation  
Lupus and Allied Diseases Association, Inc.  
Lupus Foundation of America  
Malecare  
Melanoma Research Foundation

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METAvivor  
Miami Project to Cure Paralysis  
Michigan State University  
Military Order of the Purple Heart  
Muscular Dystrophy Association  
National Alliance for Eye and Vision Research  
National Alliance of State Prostate Cancer Coalitions (The Prostate Cancer Alliance)  
National Autism Association  
National Brain Tumor Society  
National Fragile X Foundation  
National Multiple Sclerosis Society  
National Pancreas Foundation  
National Vietnam and Gulf War Veterans Coalition  
Neurofibromatosis Midwest  
Neurofibromatosis Network  
Neurofibromatosis Northeast  
Non-Commissioned Officers Association  
Ovarian Cancer Research Alliance  
Pancreatic Cancer Action Network  
Parent Project Muscular Dystrophy  
Penn State University  
Phelan-McDermid Syndrome Foundation  
Polycystic Kidney Disease Foundation  
Project Sleep  
Prostate Cancer Clinical Trial Consortium  
Prostate Cancer Foundation  
Scleroderma Foundation  
Sergeant Sullivan Circle  
SHEPHERD Foundation  
Sjögren's Foundation  
Sleep Research Society  
Society for Neuroscience  
St. Baldrick's Foundation  
Stony Brook University  
Susan G. Komen  
Syngap Education & Research Foundation  
TB Alliance  
Texas NF Foundation  
The Michael J. Fox Foundation for Parkinson's Research  
Theresa's Research Foundation  
TREA: The Enlisted Association  
Tuberous Sclerosis Alliance

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United Ostomy Associations of America

United Soldiers and Sailors of America

University of Central Florida

University of Iowa

University of Pittsburgh

University of Washington

Us TOO International

Vasculitis Foundation

Veterans for Common Sense

VetsFirst

Wayne State University

Weill Cornell Medicine

ZERO-The End of Prostate Cancer

cc: Members of the U.S. Senate

Enclosure