

Congressionally Directed Medical Research Programs

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CUTTING EDGE RESEARCH



The views expressed in this presentation are those of the presenter and may not reflect the official policy or position of the Department of the Army, Department of Defense, or the U.S. Government.



CDMRP Partnerships

Advocates

- ❖ Demonstrate need
- ❖ Participate at all levels
- ❖ Passion and perspective



Congress

- ❖ Add funds to budget
- ❖ Targeted guidance
- ❖ Opportunity to leverage



**IMPROVE
HEALTH
(CURE)**



Researchers

- ❖ Innovation and gaps
- ❖ Risk/Benefit
- ❖ Product-oriented



DOD

- ❖ Program management
- ❖ Regulatory and budget requirements
- ❖ Institute of Medicine model

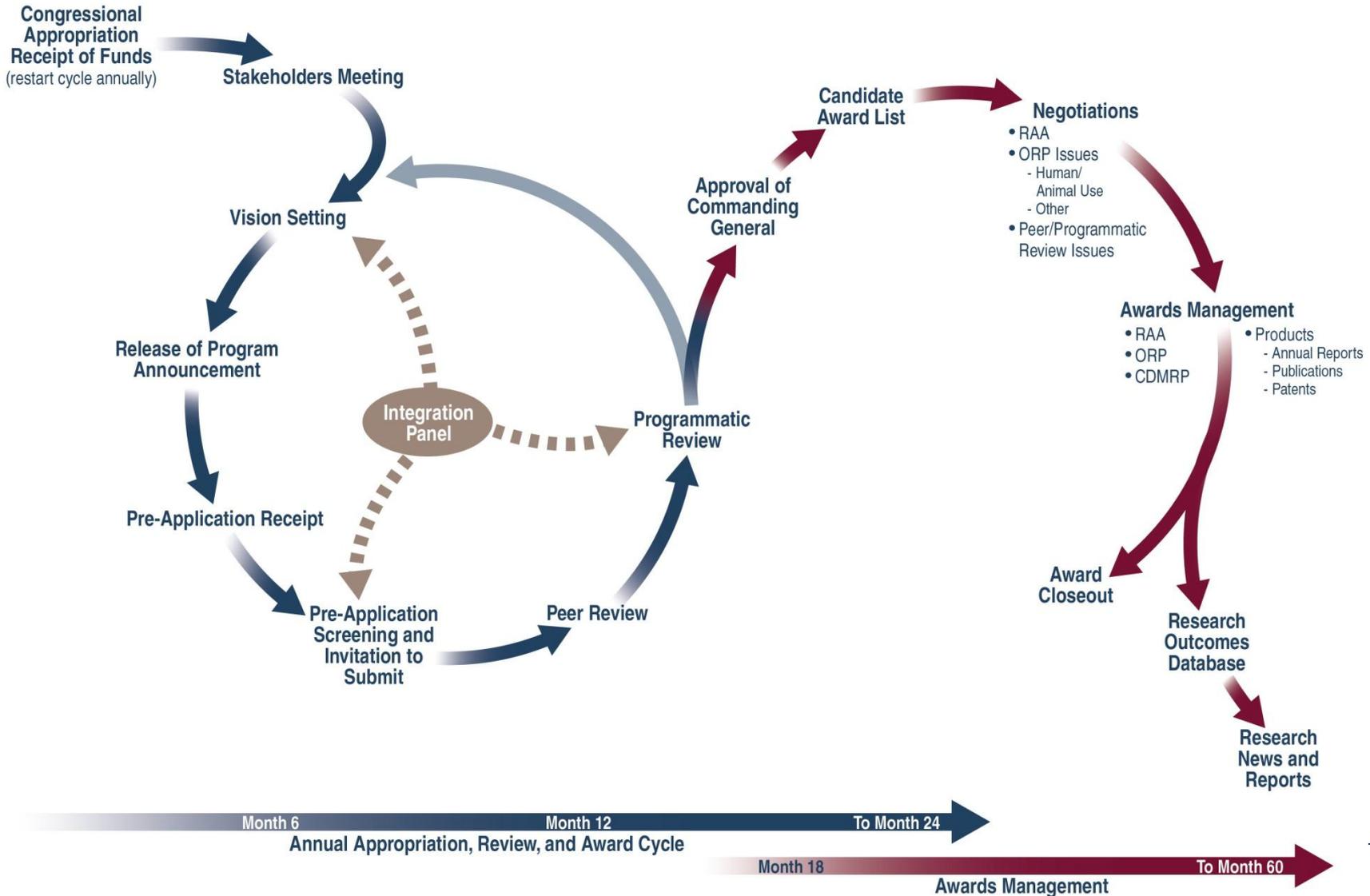


Hallmarks of the CDMRP

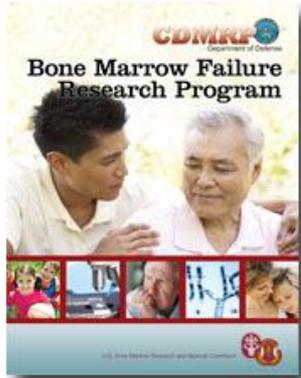
- ◆ **Research funds added to DOD budget by Congress**
- ◆ **Vision is adapted yearly, and award mechanisms are changed as needed**
- ◆ **Consumer advocates participate throughout process**
- ◆ **Fund highly innovative, high-impact research**
- ◆ **Two-tier formal review of applications – Institute of Medicine model**



Program Execution



Bone Marrow Failure Research Program



Vision: To understand and cure bone marrow failure disease

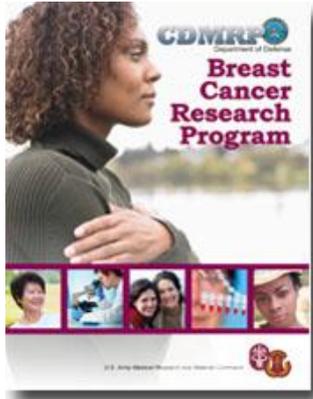
Mission: To encourage and support innovative research that is committed to advancing the understanding of inherited and acquired bone marrow failure diseases, thereby improving the health of affected individuals, with the ultimate goals of prevention and cure



◆ **Idea Development Award:** Supports conceptually innovative, high impact approaches to Bone Marrow Failure research to move toward the vision of understanding and curing Bone Marrow Failure diseases.



Breast Cancer Research Program



Vision: To end breast cancer by funding innovative, high-impact research through a partnership of scientists and consumers

FY13: \$120M

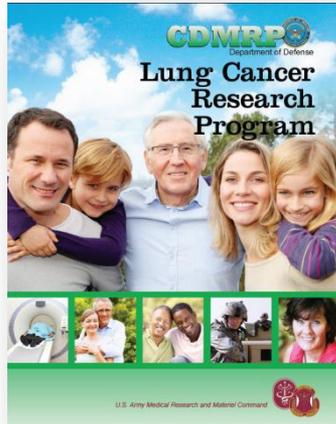
FY97-12: \$2.8B

Over 6,100 awards

- ◆ **Postdoctoral Fellowship Award:** Supports training of exceptionally talented postdoctoral fellows
- ◆ **Era of Hope Scholar Award:** Supports exceptionally talented, creative, and visionary early-career investigators
- ◆ **Innovator Award:** Supports visionary individuals who have demonstrated creativity, innovative work, and leadership
- ◆ **Breakthrough Award:** Supports promising research that has the potential to lead to or make breakthroughs in breast cancer



Lung Cancer Research Program



Vision: Eradicate deaths from lung cancer

Mission: Support and integrate research from multiple disciplines for risk assessment, early detection, diagnosis, prevention, and treatment for the control and cure of lung cancer

FY13: \$10.5M

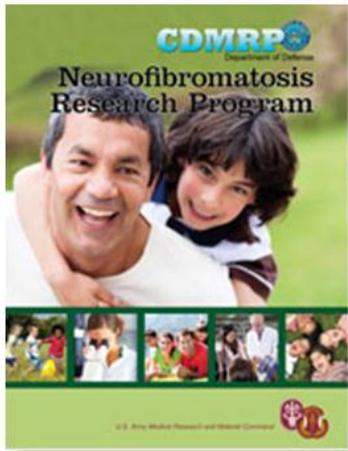
FY09-12:\$58M

61 awards

- ◆ **Concept Award:** Supports highly innovative, untested potentially groundbreaking concepts in lung cancer
- ◆ **Career Development Award:** Supports early-career, independent investigators to conduct innovative research under the mentorship of an experienced lung cancer researcher
- ◆ **Idea Development Award:** Supports conceptually innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress toward eradicating deaths from lung cancer
- ◆ **Clinical Exploration Award:** Supports early-phase, proof-of-principle clinical trials and correlative studies to investigate hypothesis-based, innovative interventions and/or avenues of research that have the potential for a profound impact on the clinical management of lung cancer



Neurofibromatosis Research Program (NFRP)



Vision

Decrease the clinical impact of neurofibromatosis.

Mission

Promote research directed toward the understanding, diagnosis and treatment of NF1, NF2 and schwannomatosis to enhance the quality of life of persons with those diseases.

FY13: \$15M

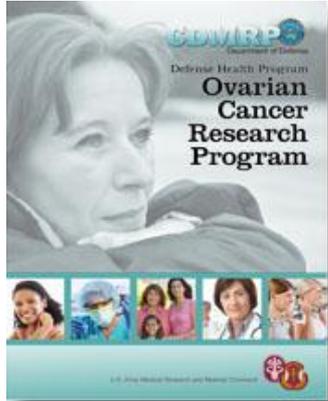
FY96-12: \$243M

296 awards

- ◆ Clinical Trial Award
- ◆ Exploration - Hypothesis Development Award
- ◆ Investigator-Initiated Research Award
- ◆ New Investigator Award



Ovarian Cancer Research Program



Vision: Eliminate ovarian cancer

Mission: To support research to detect, diagnose, prevent, and control ovarian cancer

FY13: \$20M

FY97-12: \$196.45M

284 awards

- ◆ **Clinical Translational Leverage Award:** Supports leveraging of existing human-based ovarian cancer resources in translational research
- ◆ **Resource Development Award:** Supports either the development of a new resource(s) or increasing the utility of existing human-based resource(s)
- ◆ **Pilot Award:** Supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will drive the field of ovarian cancer research
- ◆ **Teal Innovator Award:** Supports a visionary individual from any field principally outside of, but not exclusive of, ovarian cancer to focus their creativity, innovation, and leadership on ovarian cancer



Peer Reviewed Cancer Research Program



Vision: To improve quality of life by decreasing the impact of cancer on service members, their families, and the American public.

Mission: To foster the next generation of cancer research by providing new and early-career investigators opportunities to successfully pursue high-impact research for the prevention, detection, and treatment of cancer.

FY13: \$ 15M

FY09-12: \$59.8M

146 awards

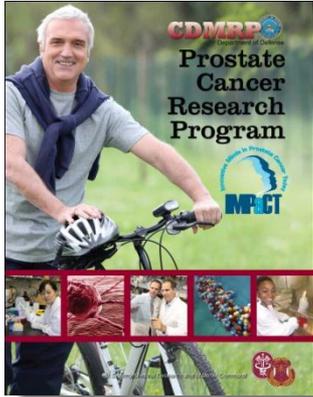
◆ **Idea Award with Special Focus:** support innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods in cancer research that are *directly relevant to service members, their families, and other military beneficiaries.*

FY13 Topic Areas (*required*)

- Blood cancers
- Colorectal cancer
- Genetic cancer research
- Kidney cancer
- *Listeria* vaccine for cancer
- Melanoma and other skin cancers
- Mesothelioma
- Neuroblastoma
- Pancreatic cancer
- Pediatric brain tumors



Prostate Cancer Research Program



Vision: Conquer prostate cancer

Mission: Fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of men experiencing the impact of the disease

FY13: \$80M

FY97-12: \$1.2B

Over 2,600 awards

◆ **Biomarker Development Award (\$2.25 M):**

Supports multi-institutional validation and/or qualification studies to bring known biomarkers into clinical practice

◆ **Exploration-Hypothesis Development Award**

(\$75K): Supports highly innovative, untested potentially groundbreaking concepts in prostate cancer

◆ **Health Disparity Research Award (\$600K):**

Supports new ideas aimed at reducing disparities in prostate cancer incidence, morbidity, and mortality

◆ **Idea Development Award (\$375K):**

Supports innovative, high-risk/high-reward research toward eliminating deaths from prostate cancer

◆ **Laboratory-Clinical Transition Award (\$1.5M):**

Supports product-driven preclinical studies of promising novel lead agents or devices that could revolutionize prostate cancer clinical care

◆ **Population-Based Impact Award (\$750K):** Supports high-impact approaches to prostate cancer research from the perspective of population-based studies

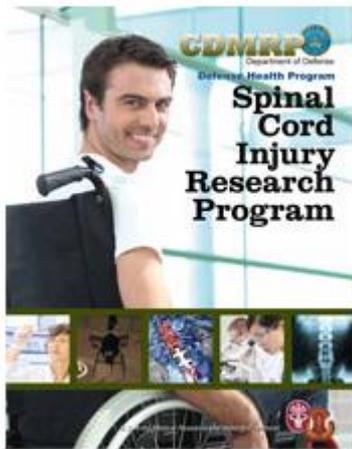
◆ **Synergistic Idea Development Award (\$750K):**

Supports partnerships between 2 or 3 independent investigators addressing a central innovative question or problem in prostate cancer

◆ **Transformative Impact Award (\$5M):** Supports prostate cancer research efforts with near-term, *transformative* impact for prostate cancer patients



Spinal Cord Injury Research Program (SCIRP)



Vision

Advance the treatment and management of spinal cord injury and ameliorate its consequences relevant to injured Service members

Mission

To fund innovative and interdisciplinary research and foster collaborative environments for the development and translation of more effective strategies to improve the health and well-being of Service members, Veterans, and other individuals with spinal cord injury

FY13: \$30M

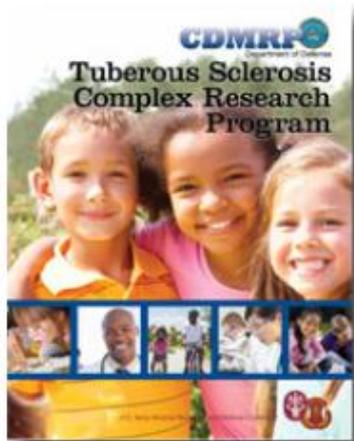
FY09-12: \$68M

98 awards

- ◆ Clinical Trial Award
- ◆ Investigator-Initiated Research Award
- ◆ Qualitative Research Award
- ◆ Translational Research Award



Tuberous Sclerosis Complex Research Program (TSCRCP)



Vision

To lessen the impact of TSC

Mission

To encourage innovative research aimed at understanding the pathogenesis and manifestations of TSC to improve the lives of individuals with TSC.

FY13: \$6M

FY02-12: \$41M

97 awards

- ◆ Exploration - Hypothesis Development Award
- ◆ Idea Development Award
- ◆ Pilot Clinical Trial Award



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CDMRP FUNDING FY13

- Duchenne Muscular Dystrophy Research Program
- NEW** Lung Cancer Research Program
- Peer Reviewed Cancer Research Program
- NEW** Psychological Health and Traumatic Brain Injury Research Program

CDMRP Research Funding for 2011 - Press Release

