

The Congressionally Directed Medical Research Programs

Funding Opportunities for Junior Investigators

CUTTING EDGE RESEARCH

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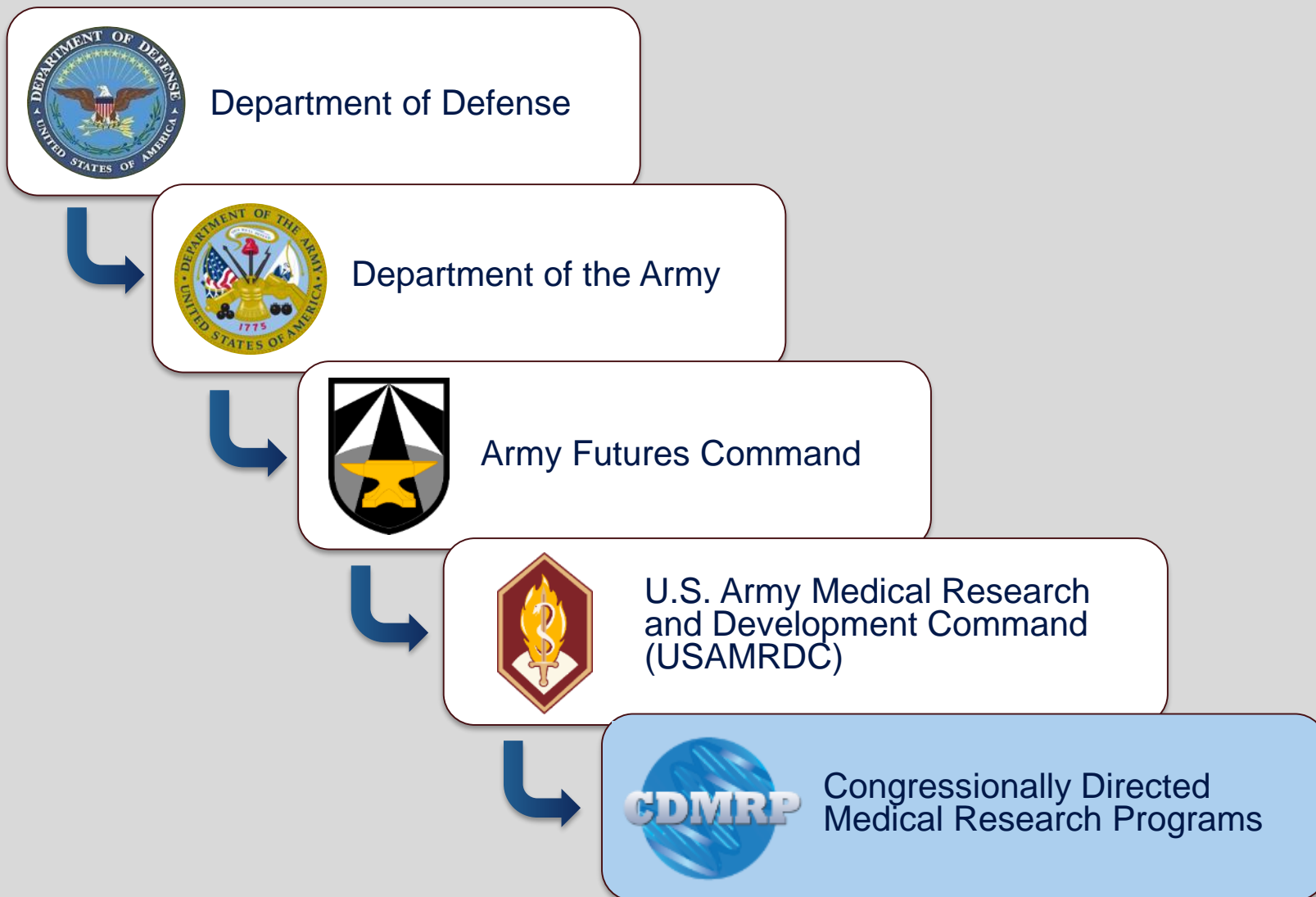


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CDMRP
Department of Defense



WHO is the CDMRP?



About CDMRP

◆ CONGRESSIONAL PROGRAMS

- ❖ Manages extramural research programs directed by Congress
- ❖ Started in 1992 with a focus on breast cancer research; currently includes over 30 research programs
- ❖ Congress specifies the focus area; the CDMRP determines research strategy and competitively selects the best projects
- ❖ Unique public/private partnership encompasses the military, scientists, disease survivors, consumers, and policy makers
- ❖ Funds high-impact, innovative medical research to find cures, reduce the incidence of disease and injury, improve survival, and enhance the quality of life for those affected

◆ DoD PROGRAMS

- ❖ Provides support to Program Area Directorates (PADs)/Joint Program Committees (JPCs) for managing extramural and intramural research portfolios to advance their missions

◆ DIRECTOR

- ❖ COL Stephen Dalal



CURRENT PROGRAMS:

- Alcohol and Substance Abuse Disorders
- Amyotrophic Lateral Sclerosis
- Autism
- Bone Marrow Failure
- Breast Cancer
- Breast Cancer Semipostal
- Combat Readiness
- Chronic Pain
- Duchenne Muscular Dystrophy
- Epilepsy
- Gulf War Illness

- Hearing Restoration
- Joint Warfighter Medical
- Kidney Cancer
- Lung Cancer
- Lupus
- Melanoma
- Military Burn
- Multiple Sclerosis
- Neurofibromatosis
- Orthotics and Prosthetics Outcomes
- Ovarian Cancer
- Pancreatic Cancer
- Parkinson's

- Peer Reviewed Alzheimer's
- Peer Reviewed Cancer
- Peer Reviewed Medical
- Peer Reviewed Orthopaedic
- Prostate Cancer
- Rare Cancers
- Reconstructive Transplant
- Scleroderma
- Spinal Cord Injury
- Tick-Borne Disease
- Tuberous Sclerosis Complex
- Vision

ADDITIONAL SUPPORTED DOD PROGRAMS:

- Armed Forces Institute of Regenerative Medicine
- Centers of Excellence
- Defense Medical R&D
- Defense Medical R&D Restoral
- Psychological Health and Traumatic Brain Injury
- Small Business Innovation/ Small Business Technology Transfer
- Trauma Clinical

Vision and Mission

Vision

Transform healthcare for
Service Members and the
American public
through innovative and
impactful research

Mission

**Responsibly manage collaborative
research that discovers, develops,
and delivers health care solutions
for Service Members, Veterans and
the American public**

FUNDING GROUNDBREAKING, HIGH-IMPACT RESEARCH

Hallmarks



- ◆ Targeted research funds are added to the DoD budget by Congress
- ◆ Funds high-impact innovative research
- ◆ Avoids duplication with other funding agencies and targets unfunded/unmet gaps
- ◆ Follows the National Academy of Medicine-recommended model for application review
- ◆ Consumers participate throughout the process
- ◆ Annually adapts each program's vision and investment strategy allowing rapid response to changing needs
- ◆ Funding flexibility
 - ❖ Funds obligated up-front; limited out-year budget commitments
 - ❖ No continuation funding
 - ❖ No "pay line"; funding recommendations are based on portfolio composition, adherence to intent of mechanism, and relative impact, in addition to technical merit



Consumers



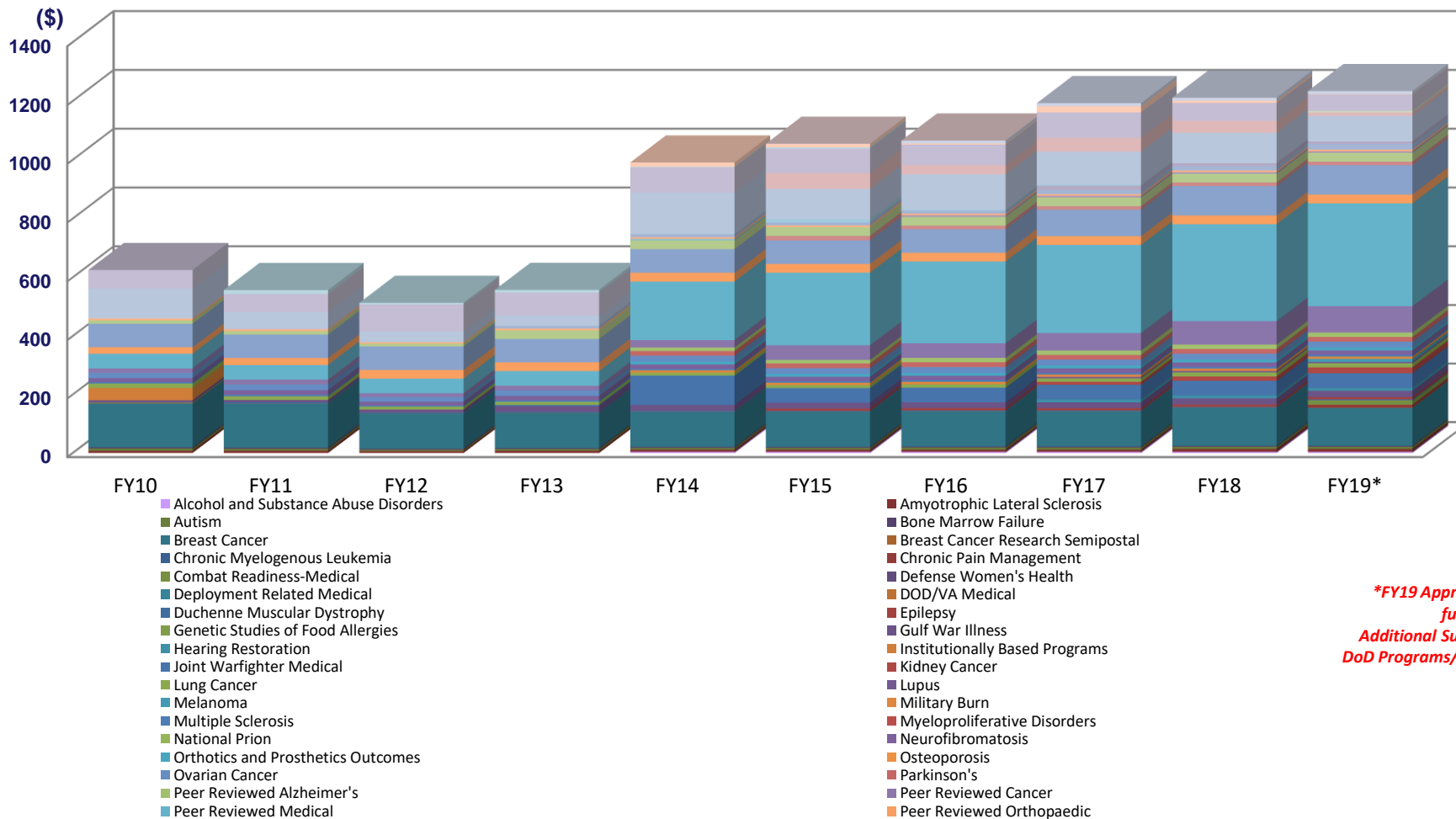
Grassroots consumer efforts led to targeted research funding and the creation of the CDMRP. The voices and experiences of consumers plays a pivotal role in the growth of CDMRP research programs

*Over 2,600 consumers
representing over
1,200 organizations
have served on CDMRP
Peer Review and
Programmatic Review
panels*



CDMRP Funding History (FY10-19)

Millions



**FY19 Approximate
funding of
Additional Supported
DoD Programs/Projects*

CDMRP FY20 Programs

Program	\$M
Amyotrophic Lateral Sclerosis	\$20.0
Alzheimer's	\$15.0
Autism	\$15.0
Bone Marrow Failure Disease	\$3.0
Breast Cancer	\$150.0
Breast Cancer Research Semipostal	TBD
Combat Readiness Medical	\$10.0
Chronic Pain Management	\$15.0
Duchenne Muscular Dystrophy	\$10.0
Epilepsy	\$12.0
Gulf War Illness	\$22.0
Hearing Restoration	\$10.0
Joint Warfighter Medical	\$40.0
Kidney Cancer	\$40.0
Lung Cancer	\$14.0
Lupus	\$10.0
Melanoma	\$20.0
Military Burn	\$10.0
Multiple Sclerosis	\$16.0
Neurofibromatosis	\$15.0
Orthotics and Prosthetics Outcomes	\$15.0

Program	\$M
Orthopaedic	\$30.0
Ovarian Cancer	\$35.0
Pancreatic Cancer*	\$6.0
Neurotoxin Exposure Treatment Parkinson's	\$16.0
Peer Reviewed Medical (44 Topics)	\$360.0
Peer Reviewed Cancer (14 Topics)	\$110.0
Prostate Cancer	\$110.0
Rare Cancers*	\$7.5
Reconstructive Transplant	\$12.0
Scleroderma*	\$5.0
Spinal Cord	\$40.0
Tick-Borne Disease	\$7.0
Tuberous Sclerosis Complex	\$6.0
Vision	\$20.0
TOTAL CSI = ~\$1.2B	

Additional Supported DoD Programs/Projects ⁽¹⁾

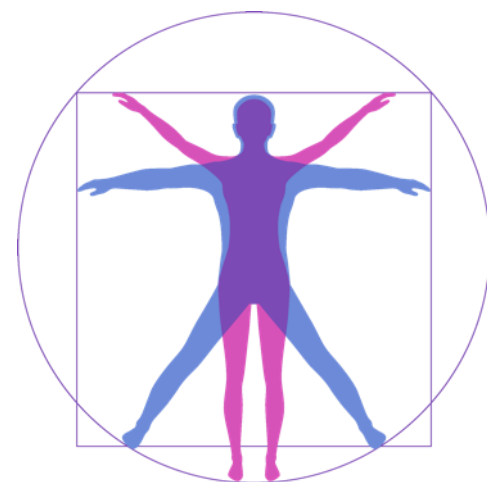
Armed Forces Institute of Regenerative Medicine II	TBD
Defense Medical R&D	\$232.1
Psychological Health and Traumatic Brain Injury	\$165.0
Small Business Innovation Research/Small Business Technology Transfer	TBD
Trauma Clinical	\$10.0

TOTAL OVERALL = ~\$1.6B
^(*) New for FY20 ⁽¹⁾ Approximate funding of Additional Supported DoD Programs/Projects

FY20 Topic Areas for Peer Reviewed Medical Research (44 total)

- ◆ Arthritis
- ◆ Burn Pit Exposure
- ◆ Chronic Migraine and Post-Traumatic Headache
- ◆ Congenital Heart Disease
- ◆ Constrictive Bronchiolitis
- ◆ Diabetes
- ◆ Dystonia
- ◆ Eating Disorders
- ◆ Emerging Viral Diseases
- ◆ Endometriosis
- ◆ Epidermolysis Bullosa
- ◆ Familial Hypercholesterolemia
- ◆ Fibrous Dysplasia
- ◆ Focal Segmental Glomerulosclerosis
- ◆ Food Allergies
- ◆ Fragile X
- ◆ Frontotemporal Degeneration
- ◆ Guillain-Barre Syndrome
- ◆ Hemorrhage Control
- ◆ Hepatitis B
- ◆ Hydrocephalus
- ◆ Immunomonitoring of Intestinal Transplants
- ◆ Inflammatory Bowel Disease
- ◆ Interstitial Cystitis
- ◆ Metals Toxicology
- ◆ Mitochondrial Disease
- ◆ Musculoskeletal Health
- ◆ Myalgic Encephalomyelitis/Chronic Fatigue Syndrome
- ◆ Myotonic Dystrophy
- ◆ Nutrition Optimization
- ◆ Pancreatitis
- ◆ Pathogen-Inactivated Blood Products
- ◆ Plant-Based Vaccines
- ◆ Polycystic Kidney Disease
- ◆ Pressure Ulcers
- ◆ Pulmonary Fibrosis
- ◆ Resilience Training
- ◆ Respiratory Health
- ◆ Rheumatoid Arthritis
- ◆ Sleep Disorders and Restriction
- ◆ Spinal Muscular Atrophy
- ◆ Sustained Release Drug Delivery
- ◆ Vascular Malformations
- ◆ Women's Heart Disease

*Applicants
must
address at
least one of
the Topic
Areas, as
directed by
Congress*



Additional Supported DoD Programs/Projects

Program Area Directorates/Joint Program Committees

Medical Simulation and Information Sciences

- ❖ Health Information Sciences
- ❖ Medical Modeling, Simulation, and Training
- ❖ Health Information Technology and Informatics

Military Infectious Diseases

- ❖ Bacterial Diseases

Military Operational Medicine

- ❖ Environmental Health and Protection
- ❖ Injury Prevention and Reduction
- ❖ Physiological Health and Performance
- ❖ Psychological Health and Resilience

Combat Casualty Care

- ❖ Battlefield Resuscitation for Immediate Stabilization of Combat Casualties
- ❖ En Route Care
- ❖ Prolong Field Care
- ❖ Neurotrauma

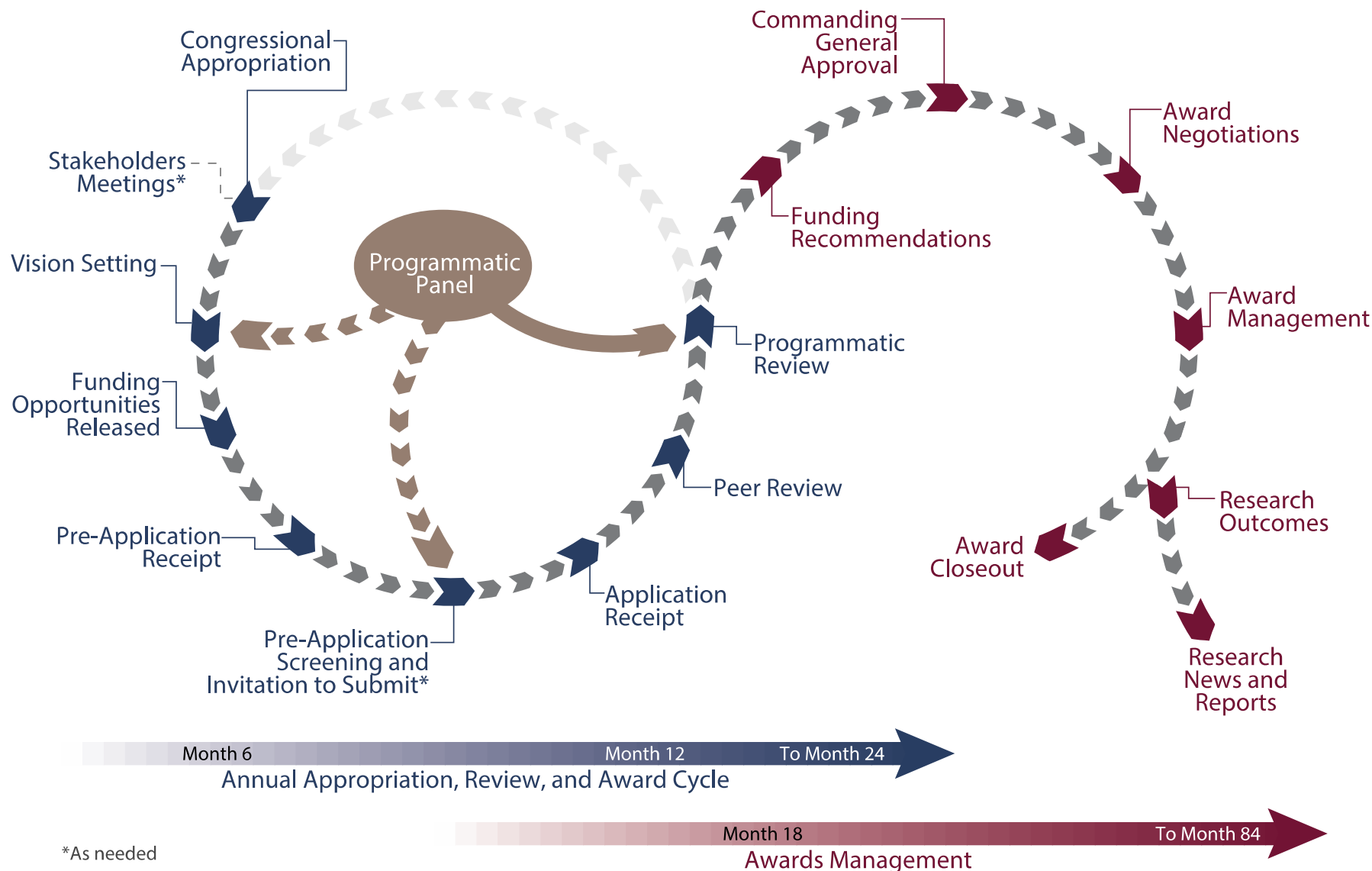
Radiation Health Effects

- ❖ Biomedical Technology for Radiation Medical Countermeasures

Clinical and Rehabilitative Medicine

- ❖ Neuromusculoskeletal Injury Rehabilitation
- ❖ Pain Management
- ❖ Regenerative Medicine
- ❖ Sensory System Traumatic Injury (visual, auditory and vestibular dysfunction)

Program Cycle



Goal of the Two-Tier Review Process

To develop funding recommendations that balance the most meritorious science across many disciplines and offer the highest promise to fulfill the programmatic goals set forth in the relevant Program Announcement



Funding Opportunities



◆ Numerous types of award mechanisms

- ❖ Fund full continuum of research
- ❖ Tailored to the goals of each program
- ❖ Programs, topics, and focus areas may vary from year to year

◆ Program Announcement (PA) or program-specific Broad Agency Announcement (BAA) funding opportunities

- ❖ Grants/Cooperative Agreements (few contracts)

◆ Funding opportunity postings

- ❖ CDMRP website (<https://cdmrp.army.mil>)
- ❖ Electronic Biomedical Research Application Portal (<https://ebrap.org>)
- ❖ Grants.gov (Search Grants, CGDA 12.420)
- ❖ Beta.sam.gov (BAAs and contract funding opportunities)



Program Announcement of Funding Opportunity

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CDMRP Program Announcements use a uniform structure

Content will

vary by:

- ◆ Funding Opportunity Mechanism
- ◆ Programmatic Priorities
- ◆ Review Requirements
- ◆ Funding Levels/Period of Performance

maintain:

- ◆ Required Key Components
- ◆ Overall Organizational Presentation

Program Announcement – Eligible Applicants

Section II.C.1.b of the Program Announcement specifies who is eligible to be designated the Principal Investigator (PI) of a study. Eligibility may:

- ◆ Allow applicants of all academic levels including junior investigators
 - ❖ Some Program Announcements may have stratified tiers based on academic experience (New vs Experienced Investigator Options)
- ◆ Exclude junior or senior investigators
- ◆ Target a specific range of academic experience

II.C.1.b. Principal Investigator

Investigators at all academic levels (or equivalent) are eligible to be named as a PI, Initiating PI, or Partnering PI on an application.

Applications are encouraged for postdoctoral fellows. A Mentorship Statement (see [Attachment 9](#)) is required for applications submitted with a PI who is a postdoctoral fellow.

Program Description and Award Information

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◆ Program Description

- ❖ Programs History
- ❖ Programs Priorities
 - Topic Areas
 - Focus Areas
 - Areas of Emphasis
 - Overarching Challenges
- ❖ Areas of Encouragement

◆ Award Information

- ❖ Critical Components/Important Aspects of an Application
- ❖ Research Restriction

Open and Projected Funding Opportunities

Open FY20 Announcements

- ❖ Amyotrophic Lateral Sclerosis
- ❖ Breast Cancer
- ❖ Ovarian Cancer
- ❖ Peer Review Medical

Programs with Pre-Announcements

- ❖ Autism
- ❖ Bone Marrow Failure
- ❖ Epilepsy
- ❖ Gulf War Illness
- ❖ Lung Cancer
- ❖ Military Burn
- ❖ Multiple Sclerosis
- ❖ Neurofibromatosis
- ❖ Orthotics and Prosthetics Outcomes
- ❖ Peer Reviewed Alzheimer's
- ❖ Peer Reviewed Cancer
- ❖ Peer Reviewed Orthopaedic
- ❖ Prostate Cancer
- ❖ Spinal Cord Injury
- ❖ Tick-Borne Disease
- ❖ Tuberous Sclerosis Complex

For more information about CDMRP, please visit:

cdmrp.army.mil

For more information on the application process and strategies for success please view our webinar series

cdmrp.army.mil/pubs/Webinars/webinar_series

