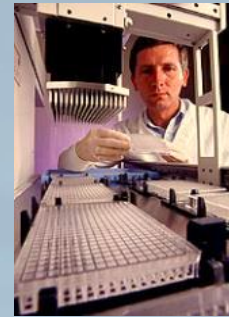


The Congressionally Directed Medical Research Programs

Melissa Cunningham, Ph.D.

CDMRP Program Manager
Prostate Cancer Research Program

CUTTING-EDGE RESEARCH



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

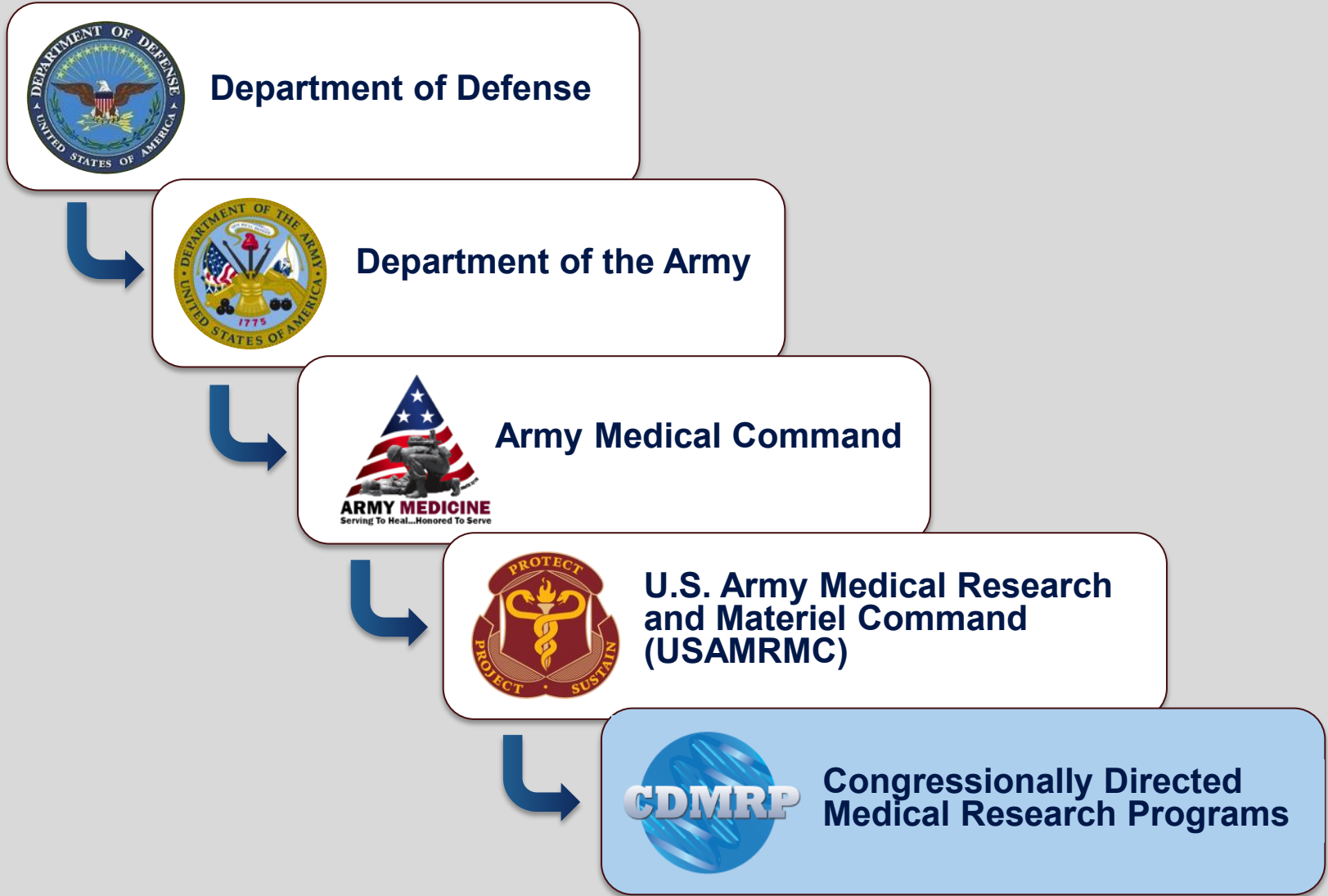
CDMRP
Department of Defense



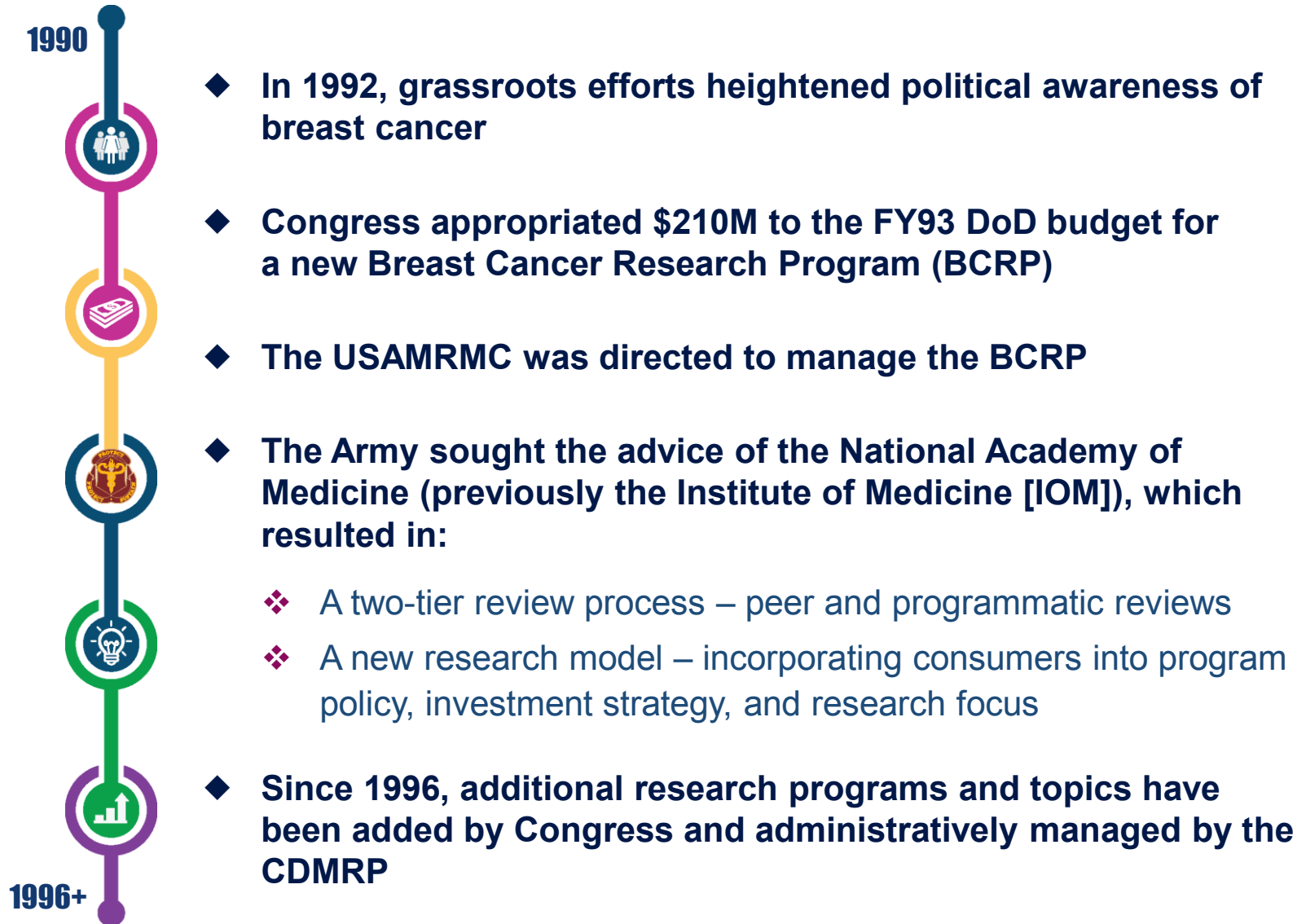
Outline

- ◆ **Overview of the CDMRP**
- ◆ **CDMRP Funding Process**
- ◆ **Prostate Cancer Research Program**

WHO is the CDMRP?



History



FY18 Funding

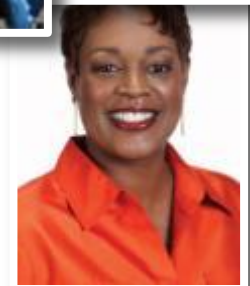
Program	\$M	Program	\$M
Alcohol and Substance Abuse Disorders	\$4.0	Parkinson's	\$16.0
Amyotrophic Lateral Sclerosis	\$10.0	Peer Reviewed Alzheimer's	\$15.0
Autism	\$7.5	Peer Reviewed Cancer (14 Topics)	\$80.0
Bone Marrow Failure	\$3.0	Peer Reviewed Medical (48 Topics)	\$330.0
Breast Cancer	\$130.0	Peer Reviewed Orthopaedic	\$30.0
Breast Cancer Research Semipostal	TBD	Prostate Cancer	\$100.0
Duchenne Muscular Dystrophy	\$3.2	Reconstructive Transplant	\$12.0
Epilepsy	\$7.5	Spinal Cord Injury	\$30.0
Gulf War Illness	\$21.0	Tick-Borne Disease	\$5.0
Hearing Restoration	\$10.0	Tuberous Sclerosis Complex	\$6.0
Joint Warfighter Medical	\$50.0	Vision	\$15.0
Kidney Cancer	\$15.0		
Lung Cancer	\$14.0	Additional Supported DoD Programs/Projects ⁽¹⁾	
Lupus	\$5.0	Centers of Excellence	TBD
Military Burn	\$8.0	Defense Medical R&D	TBD
Multiple Sclerosis	\$6.0	Defense Medical R&D CSI Restoral	TBD
Neurofibromatosis	\$15.0	Psychological Health and Traumatic Brain Injury	\$125.0
Orthotics and Prosthetics Outcomes	\$10.0	Small Business Innovation Research/Small Business Technology Transfer	TBD
Ovarian Cancer	\$20.0		

⁽¹⁾ Approximate funding of Additional Supported DoD Programs/Projects

TOTAL = \$1.1B

Hallmarks

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



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

Peer Review

Partnership

Programmatic Review

- ◆ **Criterion-based evaluation of full proposal**
- ◆ **Determination of “absolute” scientific merit**
- ◆ **Outcome: Written critique and scores for individual criteria and overall merit**
 - ❖ No standing Peer Review panels
 - ❖ No contact between reviewers and applicants
- ◆ **Comparison among proposals of high scientific merit**
- ◆ **Determination of adherence to intent and program relevance**
- ◆ **Outcome: Funding recommendations**
 - ❖ No “pay line” (portfolio balance)
 - ❖ Funds obligated up-front; limited out-year budget commitments (but milestones imposed)
 - ❖ No continuation funding

The DoD Prostate Cancer Research Program

VISION: Conquer prostate cancer

MISSION: Fund research that will lead to elimination of death from prostate cancer, and enhance the well-being of Service members, Veterans, and all men experiencing the impact of the disease

FY18 Overarching Challenges

- ◆ Define the biology of lethal prostate cancer to reduce death
- ◆ Reduce lethal prostate cancer in African Americans, Veterans, and other high-risk populations
- ◆ Develop treatments that improve outcomes for men with lethal prostate cancer
- ◆ Improve the quality of life for survivors of prostate cancer



FY18 Investment Strategy

Career Development

- Early Investigator Research
- Physician Research
- New Investigator Options
- Health Disparity Fellowship

Innovation

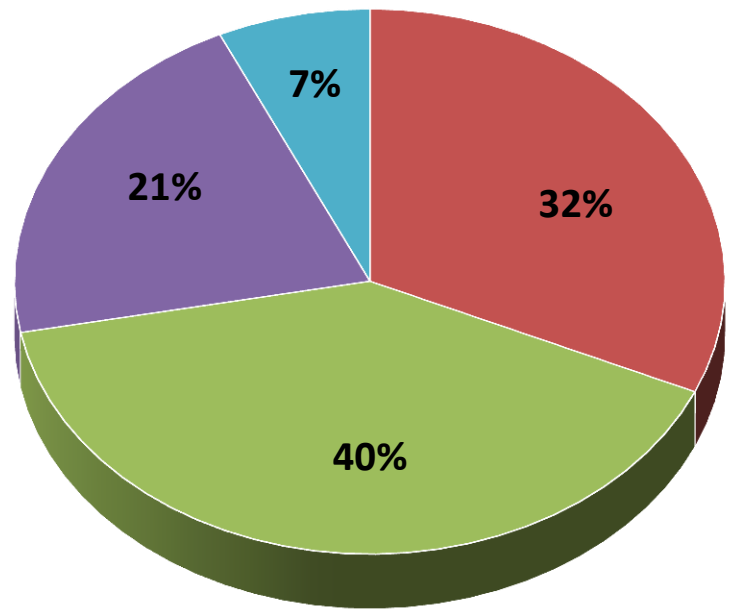
- Idea Development

Impact

- Impact
- Health Disparity Research

Resources

- Clinical Consortium
- Biorepository Network



PCRP-Supported Research Resources



- ◆ **Prostate Cancer Clinical Trials Consortium:**
 - ❖ Accelerating the Progress of Clinical Trials
 - ❖ 10 PCRP-funded institutions; 22 affiliate institutions
 - ❖ Facilitated FDA approval of 3 agents



- ◆ **Prostate Cancer Biorepository Network:**
 - ❖ Multiplying the Power of a Biospecimen
 - ❖ Virtual biorepository across 5 institutions
 - ❖ Distributed 3,000+ samples from 1,160 cases to 80+ PIs
 - ❖ Rare samples available; disparity TMAs



- ◆ **Prostate Cancer Project:**
 - ❖ Mapping the path to prostate cancer disparities towards their elimination
 - ❖ Data and samples from study available to research community

Health Disparity Fellowship Award

Supports prostate cancer-focused disparity research opportunities for individuals in the early stages of their careers, under the guidance of one or more designated Mentors

- ◆ **Postdoctoral investigators with <3 years postdoc training eligible**
- ◆ **Must include Mentor with experience in prostate cancer health disparity research and mentoring**
- ◆ **Research ideas must:**
 - ❖ Address one or more of the PCRP Overarching Challenges
 - ❖ Explicitly state how the proposed research is related to a health disparity area within an affected population or community
 - Social, cultural and/or biological contributors
 - ❖ Preliminary data NOT required; clinical trials NOT allowed
- ◆ **Researcher Development Plan: strategy to develop PI as independent prostate cancer health disparity researcher**
- ◆ **\$200K direct cost limit; maximum 2 year award**

Health Disparity Research Award

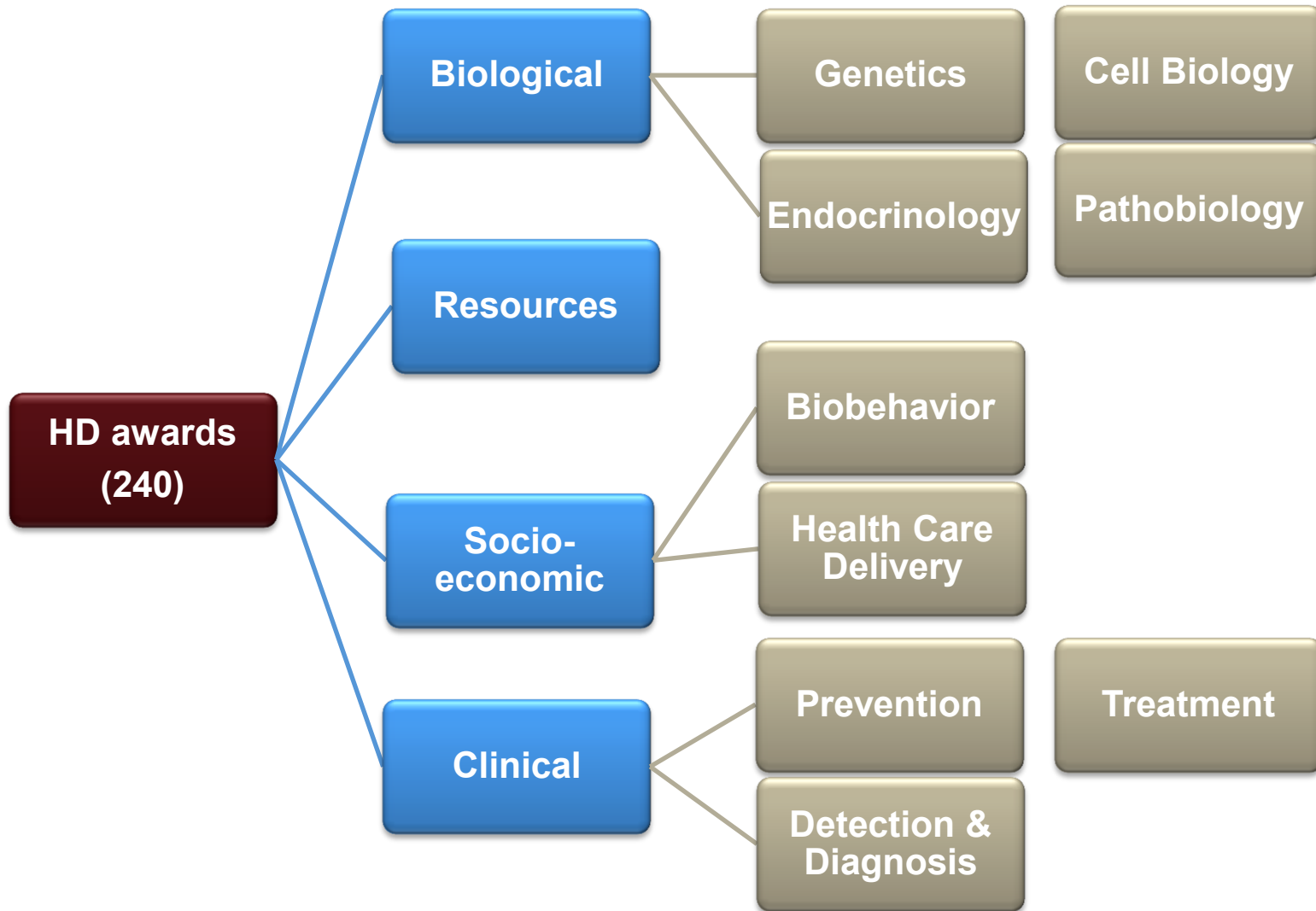
Supports promising research ideas that have high potential to make a significant impact in eliminating disparities in prostate cancer incidence, morbidity, mortality, and survivorship

- ◆ **Established and New Investigator options**
 - ❖ New Investigators: \$600K direct costs; maximum 3 years
 - ❖ Established Investigators: \$1.0M direct costs; maximum 3 years
- ◆ **Proposed research ideas should be **innovative**, but primary emphasis will be placed on the potential **impact** of the proposed work**
- ◆ **Research ideas must:**
 - ❖ Address one or more of the PCRP Overarching Challenges
 - ❖ Explicitly state how the proposed research is related to a health disparity area within an affected population or community
 - Social, cultural and/or biological contributors
 - ❖ Preliminary data NOT required; clinical trials ALLOWED
- ◆ **Transition Plan: methods and strategies for moving project forward to next phase after award completion**

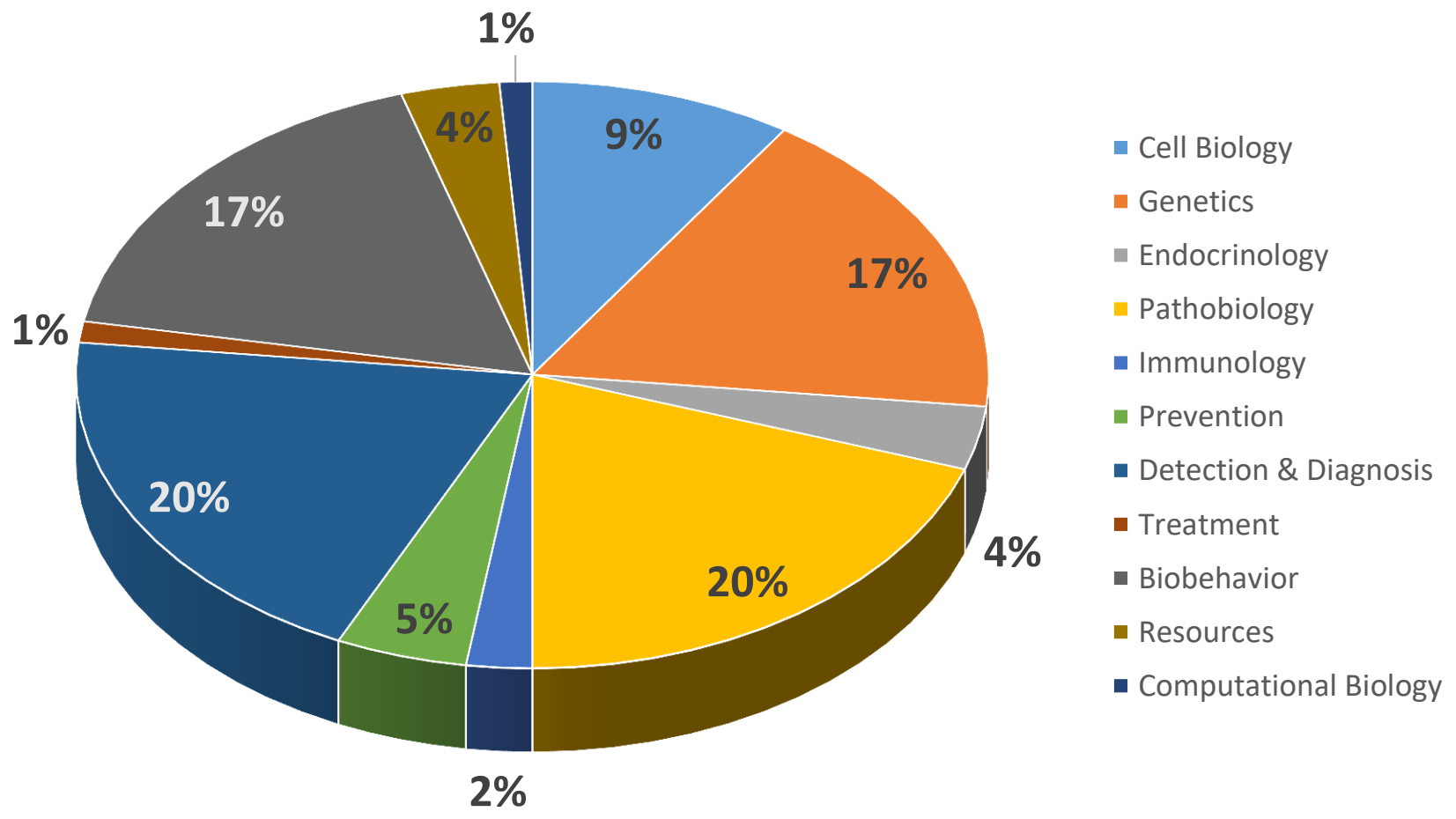
Health Disparity Research Awards

◆ Number of Awards*:	240
◆ Number of Researchers Supported:	203
◆ Number of Institutions Funded:	116
◆ Total Investment:	\$106M

Health Disparity Research Awards



FY12-FY16 Disparity Portfolio





CDMRP

Transforming Healthcare through Innovative and Impactful Research

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Men's Health Month

Consumer Participation Addresses Patient Needs Through Partnership with Prostate Cancer Research Program

Joel Nowak
Cancer ABCs, Inc.



Westley Sholes
California Prostate
Cancer Coalition



Virgil Simons
The Prostate Net



William Spurgeon
Alta Bates Summit
Medical Center



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PCRPP

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