



US Army Medical Research and Materiel Command (USAMRMC)

Overview of the Congressionally Directed Medical Research Programs (CDMRP)

Presented to

State of Maryland

**Historically Black Colleges and Universities
Representatives**

Presented by

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Special Populations Program Manager**

24 September 2003





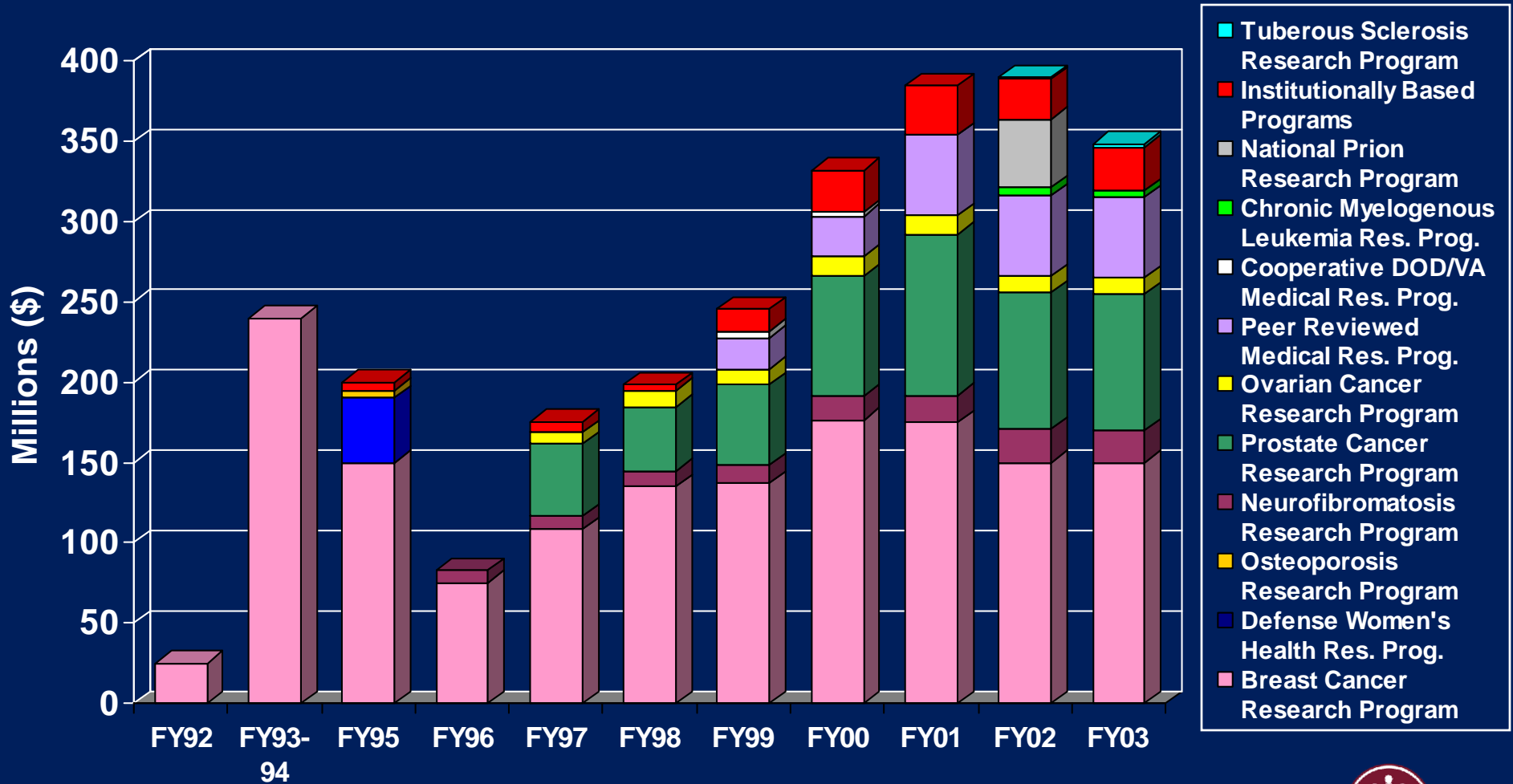
CDMRP History

- ◆ In 1993, grassroots advocacy heightened political awareness of breast cancer
- ◆ Federal budgetary opportunities spurred Congress to appropriate \$210M to the Department of Defense (DOD) budget for breast cancer research
- ◆ Program assigned to the USAMRMC; subsequent consultation with the Institute of Medicine for programmatic advice
- ◆ Additional research programs added, including neurofibromatosis in FY96, ovarian cancer and prostate cancer in fiscal year 1997 (FY97), defense health (now called Peer Reviewed Medical Research Program) in FY99, and prion, tuberous sclerosis, and chronic myelogenous leukemia in FY02
- ◆ These and other programs are managed by the CDMRP



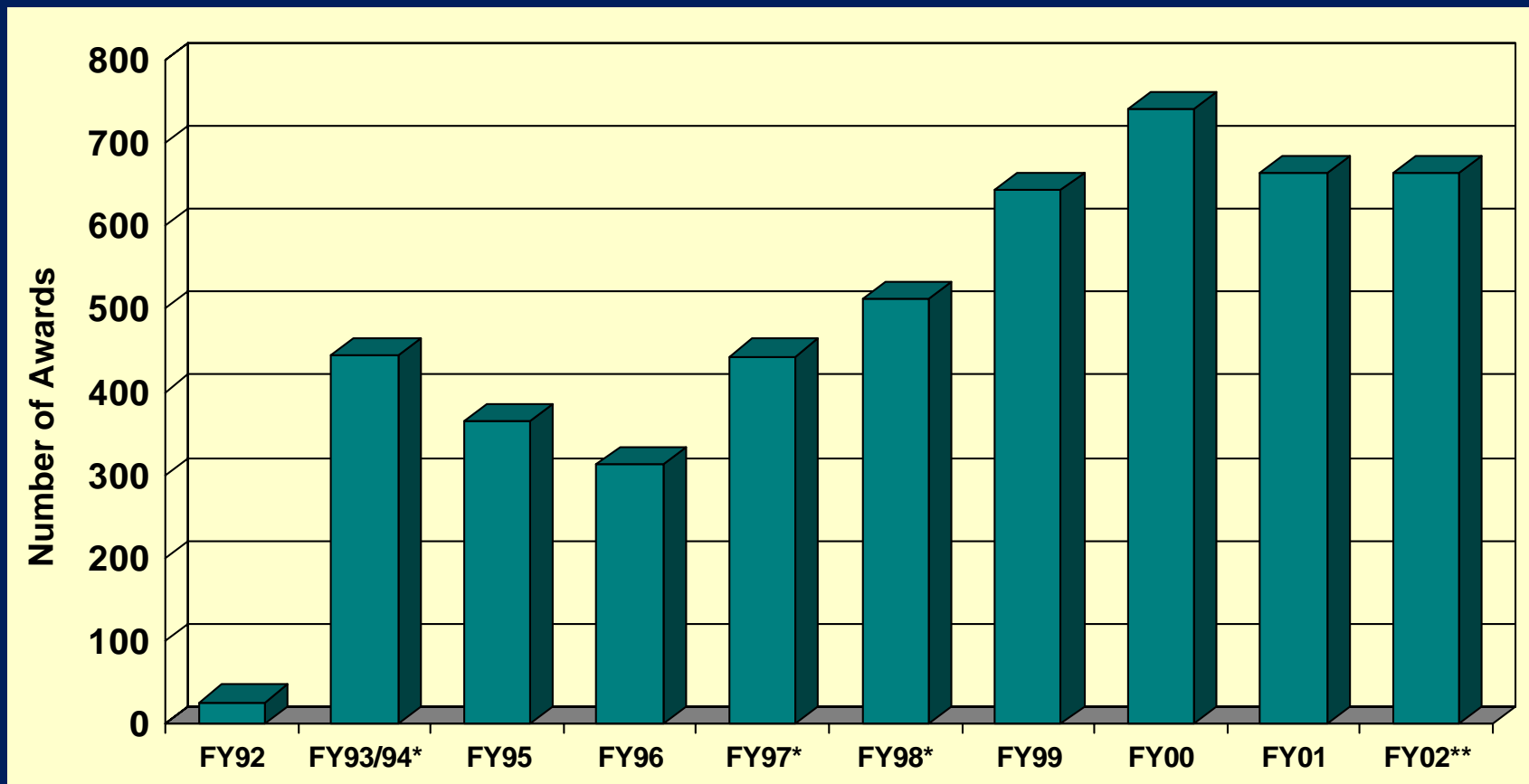


CDMRP Funding History





Number of Awards Made by the CDMRP



*The FY94 Breast Cancer Research Program and FY98 Prostate Cancer Research Program were used to fund proposals from the previous year's solicitation with minimal overhead expenditure; the number of awards made in the FY97/98 Prostate Cancer Research Program was divided evenly between FY97 and FY98 for the purposes of this table.

**Estimated number.





Two-Tiered Review Peer vs. Programmatic

Peer Review

- ◆ Evaluation of scientific merit
- ◆ Criteria-based evaluation
- ◆ Proposals evaluated within related disciplines

Products:

- ◆ Proposal scoring
- ◆ Summary statements

Programmatic Review

- ◆ Evaluation of programmatic relevance
- ◆ Comparison-based evaluation
- ◆ Proposals evaluated across multiple disciplines

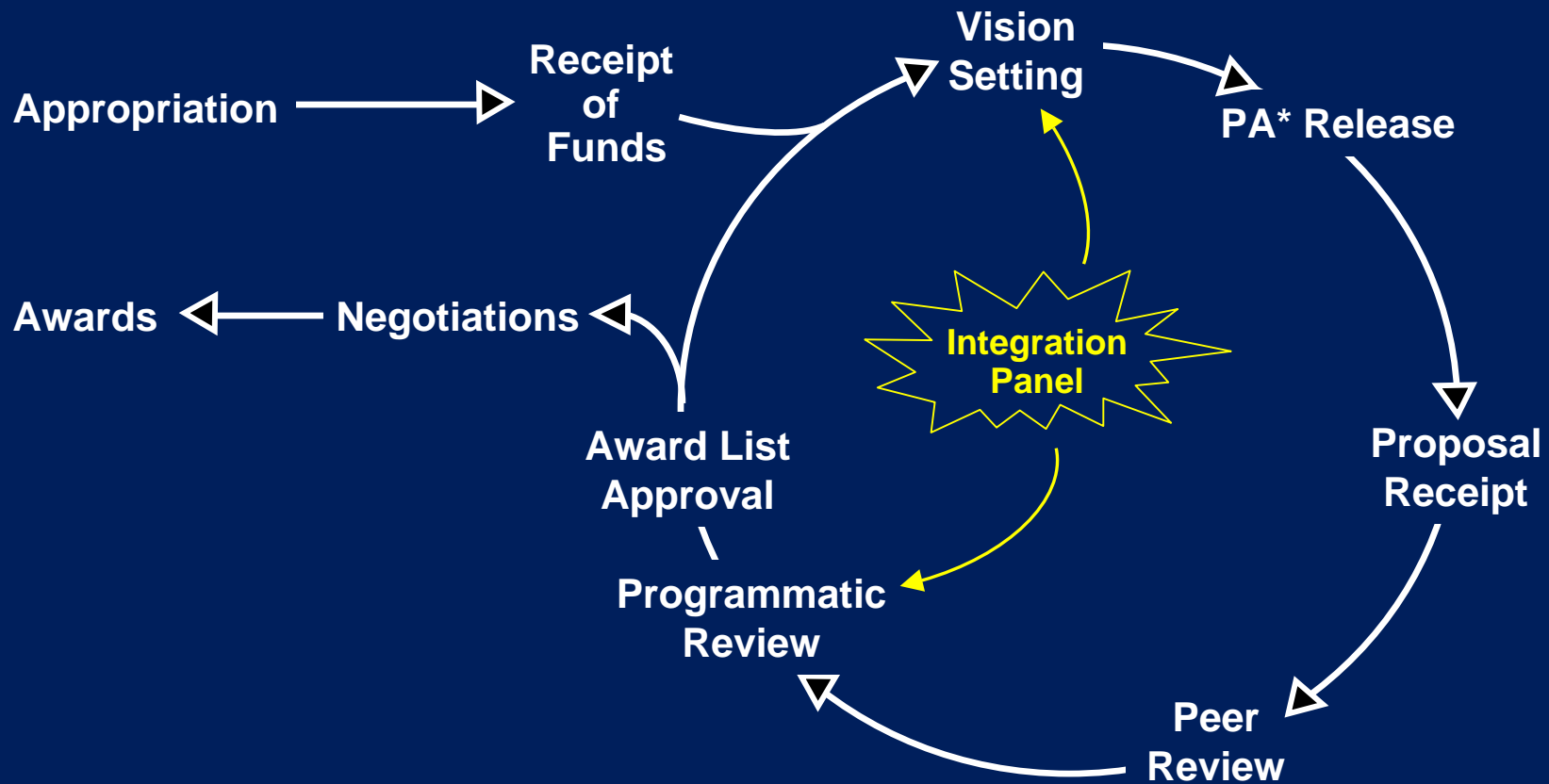
Product:

- ◆ List of funding recommendations for the Commanding General





CDMRP Program Cycle



*Program Announcement





FY03 Programs

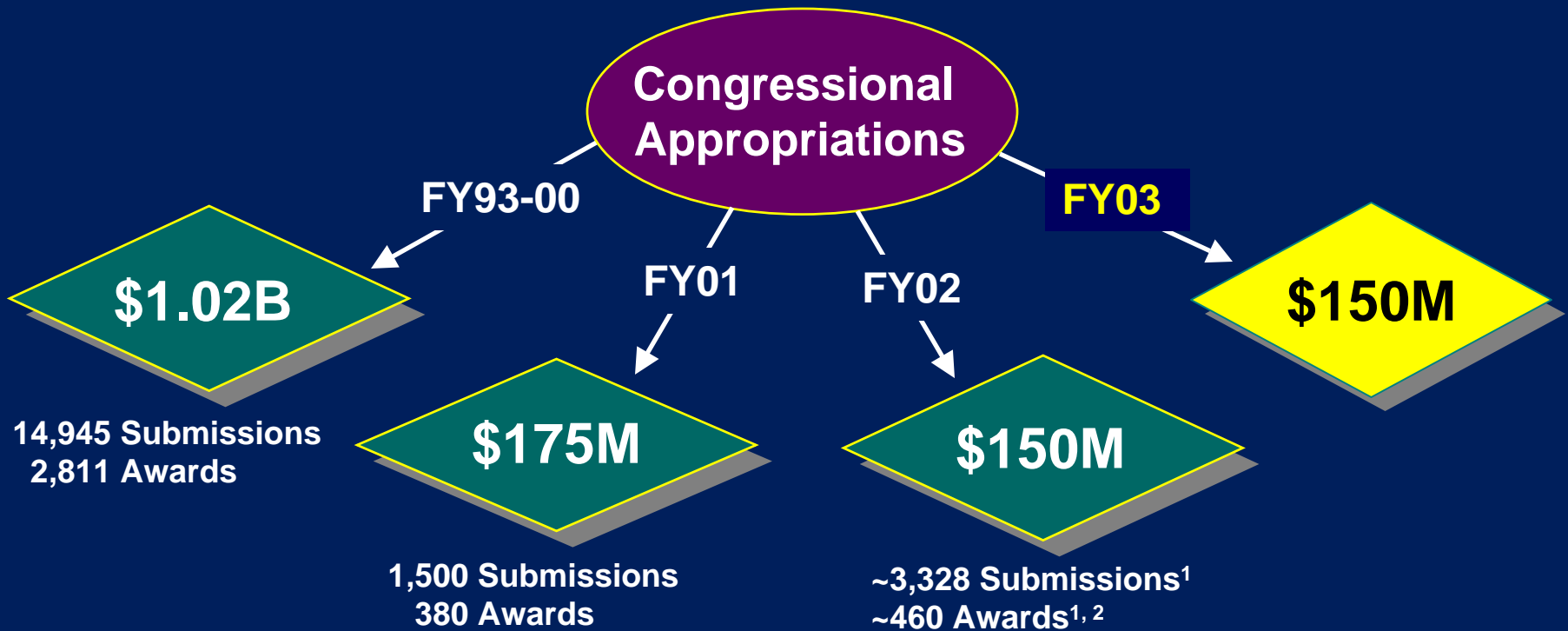
◆ Breast Cancer Research Program	\$150M
◆ Prostate Cancer Research Program	\$85M
◆ Neurofibromatosis Research Program	\$20M
◆ Ovarian Cancer Research Program	\$10M
◆ Tuberous Sclerosis Complex Research Program	\$2M





Breast Cancer Research Program (BCRP)

VISION: TO ERADICATE BREAST CANCER



¹Includes Concept Awards ²Currently being negotiated





FY03 BCRP Funding Mechanisms

\$150M

◆ Training

- ❖ HBCU/MI¹ Partnership
- ❖ Predoctoral Traineeship
- ❖ Postdoctoral
- ❖ Clinical Research Nurse
- ❖ Physician-Scientist Training

◆ Research

- ❖ Idea
- ❖ Innovator
- ❖ Clinical Translational Research

◆ Infrastructure

- ❖ Breast Cancer Center of Excellence

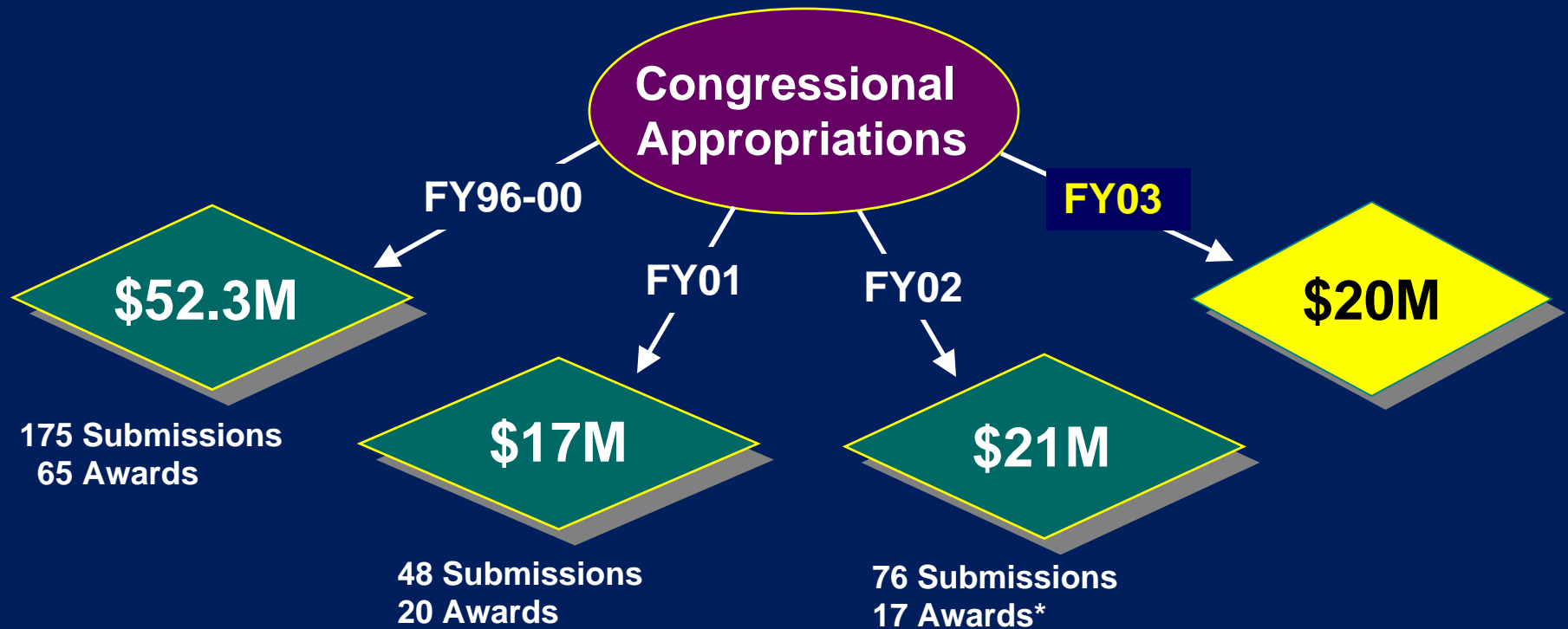
¹Historically Black Colleges and Universities/Minority Institutions





Neurofibromatosis Research Program (NFRP)

VISION: TO DECREASE THE IMPACT OF NEUROFIBROMATOSIS



*Currently being negotiated





FY03 NFRP Funding Mechanisms

\$20M

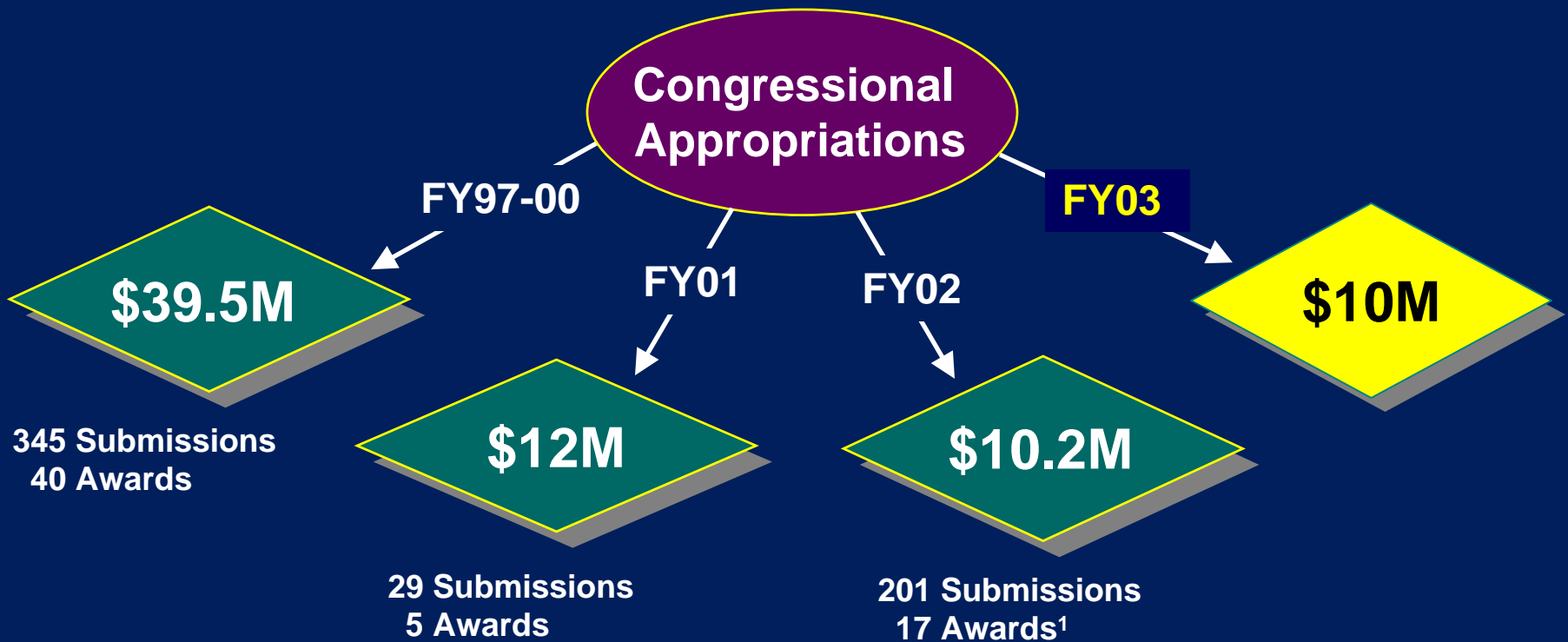
- ◆ **Training**
 - ❖ Nested Postdoctoral Traineeship
- ◆ **Research**
 - ❖ Idea
 - ❖ New Investigator
 - ❖ Investigator-Initiated Research
 - ❖ Therapeutic Development
 - ❖ Clinical Trial
 - ❖ Clinical Trial Development





Ovarian Cancer Research Program (OCRCP)

VISION: TO PREVENT OVARIAN CANCER



¹Currently being negotiated





FY03 OCRP Funding Mechanisms

\$10M

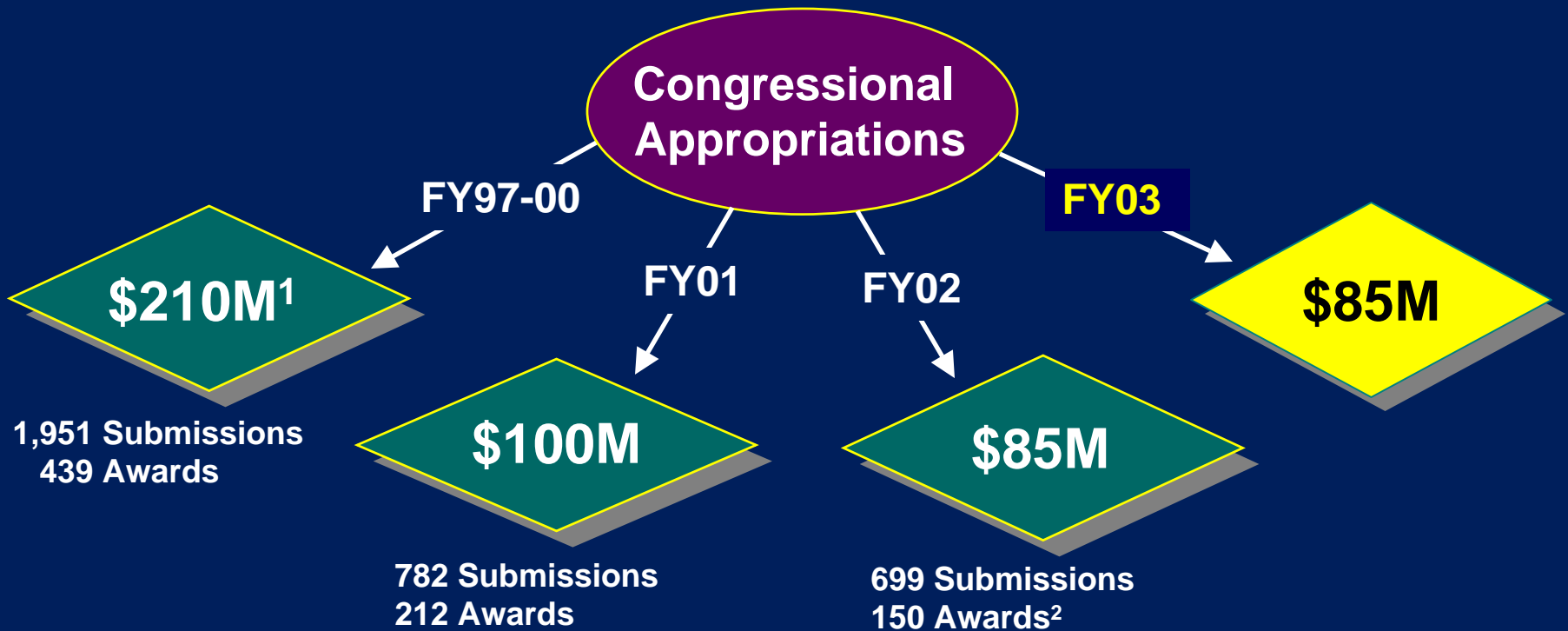
- ◆ Idea Development
- ◆ New Investigator





Prostate Cancer Research Program (PCRP)

VISION: TO CONQUER PROSTATE CANCER



¹Includes amounts for Center for Prostate Disease Research

²Currently being negotiated





FY03 PCRCP Funding Mechanisms

\$85M

◆ Training

- ❖ Postdoctoral Traineeship
- ❖ Health Disparity Training – Prostate Scholar

◆ Research

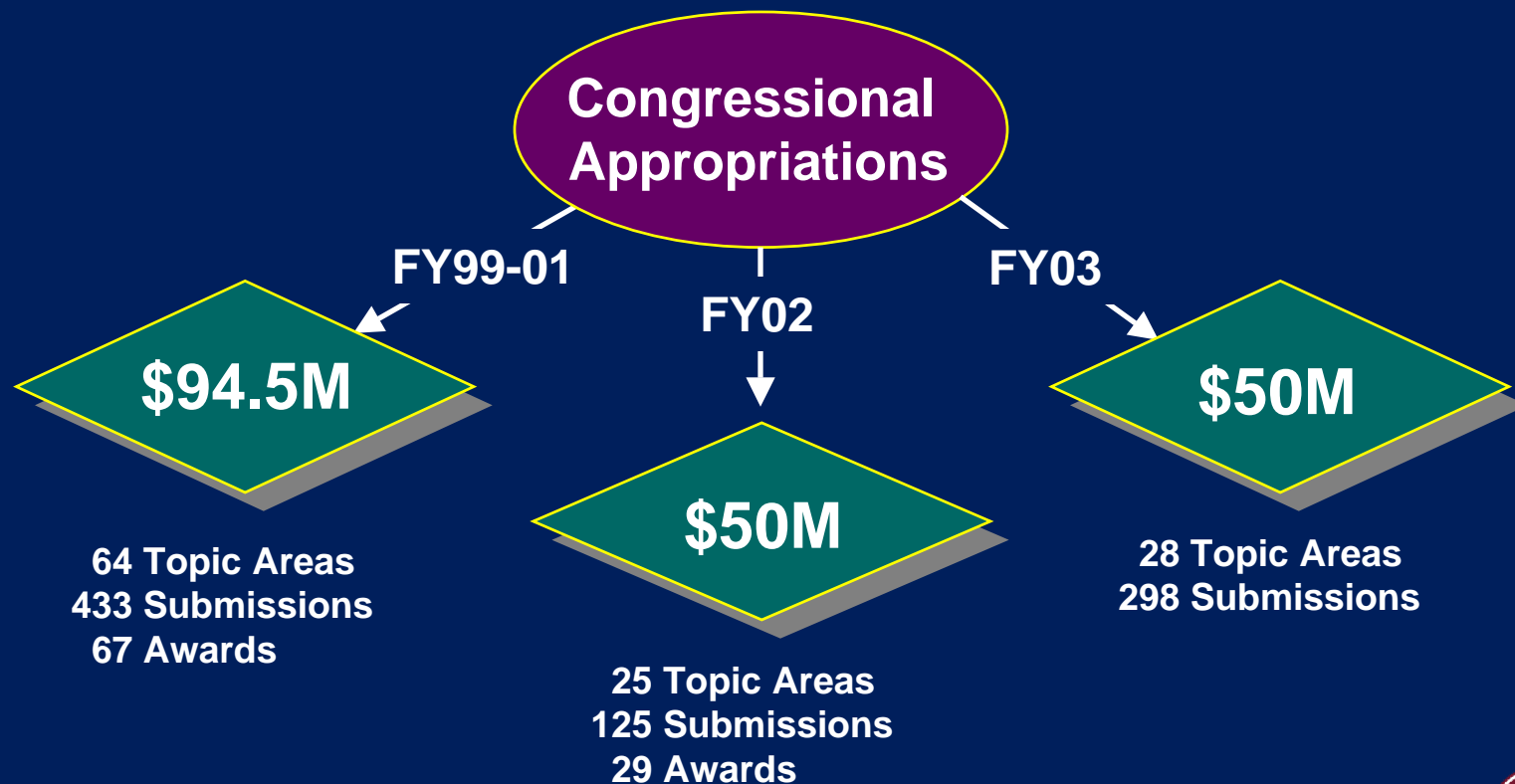
- ❖ Idea Development
- ❖ New Investigator
- ❖ Health Disparity Research – Prostate Scholar
- ❖ Exploration
- ❖ Physician Research Training
- ❖ HBCU Collaborative Partnership





Peer Reviewed Medical Research Program

“...medical research projects of clear scientific merit and direct relevance to military health.”





FY03 PRMRP Funding Mechanisms

\$50M

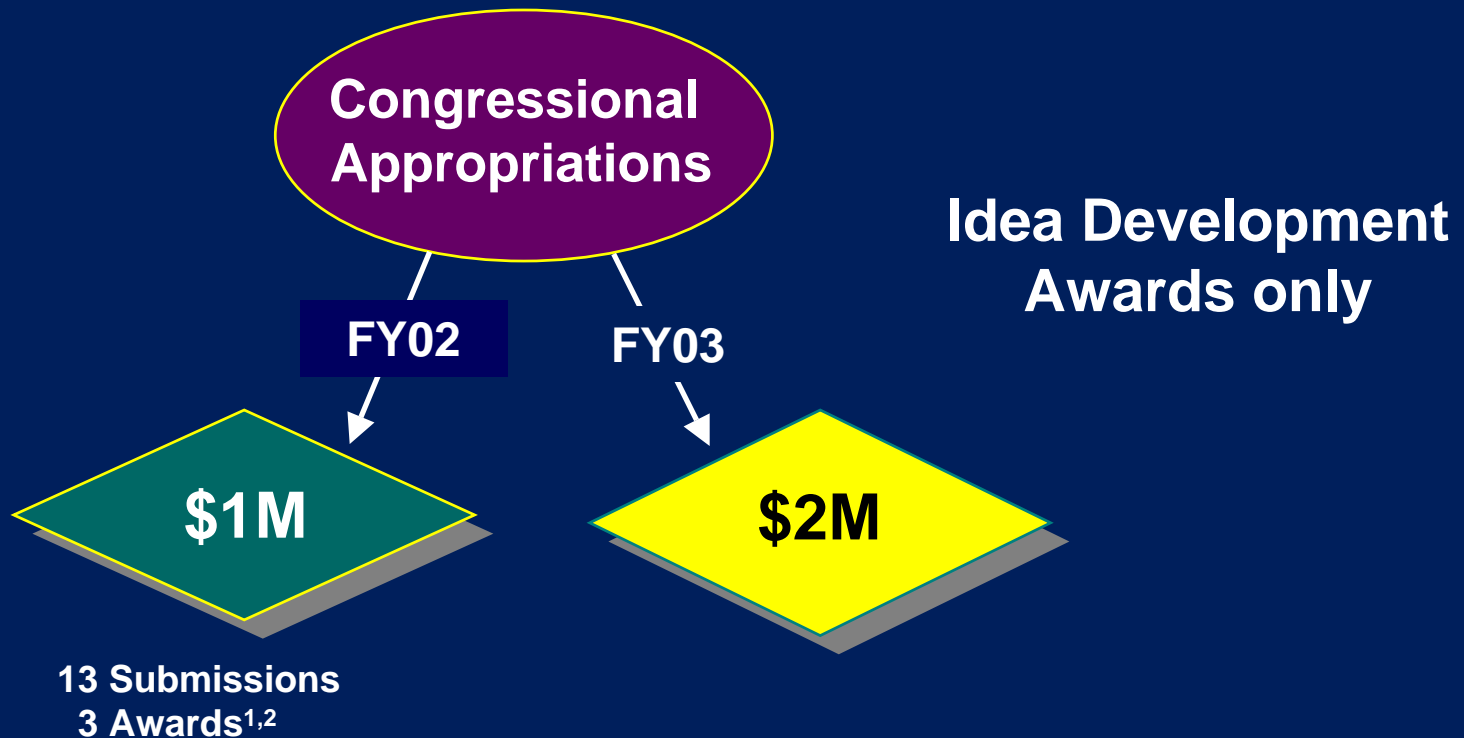
- ◆ Investigator Initiated
- ◆ Advanced Technology Development
- ◆ Program Projects
 - ❖ On-going
 - ❖ New





Tuberous Sclerosis Complex Research Program

VISION: TO DECREASE THE IMPACT OF TUBEROUS SCLEROSIS



¹One award was made using FY03 funds

²Currently being negotiated





Program Features

- ◆ Respond to congressional guidance
- ◆ Funds added by Congress to DOD budget
- ◆ Targeted research
- ◆ Flexible management
- ◆ Product-driven
- ◆ Customer focused
- ◆ Two-tiered review
- ◆ Special Populations Program
 - ❖ HBCU Executive Order
 - ❖ HSI Executive Order
 - ❖ TCU Executive Order





Special Populations Program (SPP)

- ◆ **Purpose:** To address the disparities that exist in the incidence, morbidity, and/or mortality among different ethnic groups in diseases for which the CDMRP manages research funding programs
- ◆ **Background:** Established in 1998 in response to the CDMRP Minority Health Initiative, which was launched in 1997 by the Integration Panel (IP) of the Breast Cancer Research Program (BCRP) in response to low receipt and funding rate of proposals submitted from Historically Black Colleges and Universities/ Minority Institutions (HBCU/MI)





Recap of Minority Health Initiative Executive Summary

◆ Purpose:

- ❖ To increase the number of funded proposals from HBCU/MI
- ❖ To Increase the number of funded proposals that study minority populations

◆ Process:

- ❖ Consensus Conference I (CCI) (23-26 Oct 97): 199 recommendations
- ❖ CCII (11-13 Dec 97): Consolidated recommendations from CCI down to 23 recommendations
- ❖ Minority Initiative Committee (5-7 Jan 98): Identified and presented 12 categories containing 14 consolidated recommendations to the BCRP's IP and the CDMRP
- ❖ 12 of the 14 were accepted by the CDMRP and adopted for all research programs





Minority Initiative Committee Recommendations

- ◆ Training and Technical Assistance
- ◆ Expand the Research Paradigm:
 - ❖ Representation
 - ❖ Community Accountability and Evaluation
 - ❖ Language
 - ❖ Cultural Competence
 - ❖ Multidisciplinary Approach
 - ❖ Valid and Culturally Appropriate Instrumentation
- ◆ Communications and Outreach
- ◆ Minority Initiative Advisory Council
- ◆ HBCU/MI Infrastructure
- ◆ Collaborations and Partnerships
- ◆ Academic Pipeline Issues





Implementation of Minority Initiative Committee Recommendations

Communications and Outreach

- ▲ Mailings
- ▲ Telephone
- ▲ Electronic mail
- ▲ Meetings
- ▲ Special Populations Program

Training and Technical Assistance

- ▲ DOD/UNCF* HBCU/MI technical assistance conferences
- ▲ Department of the Army HBCU/MI technical assistance summits

Culturally Competent Research

- ▲ PA** language

Culturally Sensitive Language in Documents

- ▲ PA language

Minority Representation at All Levels of the Program

- ▲ Consumer advocates
- ▲ Peer review
- ▲ Programmatic review

HBCU/MI Infrastructure

- ▲ HBCU/MI-targeted training mechanisms

Creation of Funding Mechanisms to Support Population-Focused Research

- ▲ Several funding mechanisms
- ▲ PA language

*United Negro College Fund

**Program Announcement





Implementation of Minority Initiative Committee Recommendations (cont.)

Community Accountability

- ▲ PA language
- ▲ Tracking by SPP Program Manager
- ▲ BCRP and PCRCP* committees

Multidisciplinary Approach

- ▲ PA language
- ▲ Multidisciplinary collaborations

Establish an MI Advisory Panel

- ▲ SPP Program Manager provides oversight
- ▲ BCRP and PCRCP committees that focus on HBCU/MI-specific issues

Collaborations and Partnerships

- ▲ HBCU/MI collaborative training awards (PCRCP, BCRP)
- ▲ HBCU Collaborative Partnership Award (PCRCP)

Academic Pipeline Issues

- ▲ Pre- and post-doctoral awards (BCRP, PCRCP)
- ▲ Undergraduate training award (BCRP)

Valid and Culturally Appropriate Instruments

- ▲ None submitted for funding

*Prostate Cancer Research Program





CDMRP Outreach Efforts to HBCU

1	Mailings of PAs, postcards, press releases
2	Phone calls to target Principal Investigators and consumer organizations
3	E-mails to contact list members
4	Collaboration with other Federal Agencies
5	Advertisement in target journals and newsletters
6	Formation of affiliations with organizations
7	Presentations and CDMRP display exhibition at HBCU/MI target meetings and conferences
8	Coordination with HBCU Sponsored Programs Representatives Coordination with HBCU Federal Grants and Contracts Representatives
9	Maintenance of a database of HBCU investigators focused on CDMRP target Research Programs:





HBCU Specific Funding Mechanisms (FY00-02)

PCRP

- ◆ HBCU/MI Academic Development Award (FY00)
- ◆ Idea Development Award With Nested HBCU/MI Traineeship (FY00)
- ◆ HBCU Collaborative Partnership Award (FY01 & FY03)

BCRP

- ◆ HBCU/MI Focused Training Award (FY99-00)
- ◆ HBCU/MI Partnership Training Award (FY99-03)





Department of Defense Congressionally Directed Medical Research Programs

Population Specific Funding Mechanisms (PCRP)

- ◆ **Minority Population Focused Training Award (FY97-00)**
- ◆ **Health Disparity Training Prostate Scholar Award (FY01-03)**
- ◆ **Health Disparity Research Prostate Scholar Award (FY01-03)**





CDMRP HBCU Portfolio (FY93-02)

<u>Institution</u>	<u>Number of Proposals Funded</u>
Clafin College	1
Clark Atlanta University	2
Charles R. Drew School of Medicine	3
Fayetteville State University	1
Fisk University	1
Florida A&M University	3
Hampton University	1
Howard University/School of Medicine	28
Hunter College	1
Meharry Medical College	15
Morehouse School of Medicine	8
Oakwood College	2
Winston Salem State University	1
Xavier University	1





ALERT

“Approximately 4,180 Proposals have been Funded through the CDMRP; 68 of those Proposals were from HBCU”.





Mission

**To work together to Increase the
number of Submissions From and
Awards To
HBCU**





Anticipated FY04 Programs Announced

- ◆ Breast Cancer Research Program (Early FY04)
- ◆ Neurofibromatosis Research Program (Early FY04)
- ◆ Ovarian Cancer Research Program (Late FY03)
- ◆ Peer Reviewed Medical Research Program (Late FY03)
- ◆ Prostate Cancer Research Program (Late FY03)
- ◆ Tuberous Sclerosis Complex Research Program (Late FY03)





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