



Funding Opportunities

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Purpose



To increase understanding of available funding opportunities:

- Congressionally Directed Medical Research Programs
- ➤ Opportunity Notices and Award Instruments for Medical Research and Development Awards
- > Special Operations Medicine
- ➤ Small Business Innovation Research and Small Business Technology Transfer Programs



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



Panel Members



- Col Wanda Salzer
 - ➤ Congressionally Directed Medical Research Programs, US Army Medical Research and Materiel Command
- Laurie E. Hovermale
 - ➤ US Army Medical Research Acquisition Activity, US Army Medical Research and Materiel Command
- ➤ LTC Chris Wilson
 - Office of the Command Surgeon, US Special Operations Command
- Mr. J.R. Myers
 - ➤ Plans, Programs, Analysis & Evaluation, US Army Medical Research and Materiel Command







The Congressionally Directed Medical Research Programs (CDMRP)

Wanda L. Salzer, M.D.
Colonel, US Air Force
Director of the CDMRP
20 April 2016

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WHO is the CDMRP?

Department of Defense







Army Medical Command



Medical Research and Materiel Command



Congressionally Directed Medical Research Programs



CDMRP - Overview



CONGRESSIONAL PROGRAMS:

- Manages extramural research programs directed by Congress
- Started in 1992 with Breast Cancer, now 27 programs
- Congress specifies disease area, CDMRP determines research strategy and competitively selects the best projects
- Unique public/private partnership encompassing 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:

 Manage extramural and intramural portfolios for Program Area Directorates (PADs) / Joint Program Committees (JPCs) advancing their missions

DIRECTOR:

❖ Col Wanda Salzer

Congressional Programs

- Alcohol and Substance Abuse Disorders
- Amyotrophic Lateral Sclerosis
- Autism
- Bone Marrow Failure
- Breast Cancer
- Duchenne Muscular Dystrophy
- Epilepsy
- Gulf War Illness
- Joint Warfighter Medical
- Lung Cancer
- Military Burn
- Multiple Sclerosis
- Neurofibromatosis
- Neurotoxin Exposure Treatment Parkinson's
- Orthotics and Prosthetics Outcomes

- Ovarian Cancer
- Peer Reviewed Alzheimer's
- Peer Reviewed Cancer
- · Peer Reviewed Medical
- Peer Reviewed Orthopaedic
- Prostate Cancer
- · Reconstructive Transplant
- Spinal Cord Injury
- Tick-Borne Disease
- Trauma Clinical
- Tuberous Sclerosis Complex
- Vision

DoD Programs

- Defense Medical R & D
- Defense Medical R & D Restoral grammatic
- Psychological Health and Traumatic Brain Injury



Congressional Appropriations

ons

Screening & Invitation

Application _____ Receipt

> Awards Managemen

mmendation









CDMRP - 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
 - Limited continuation funding
 - No "pay line;" funding recommendations based on portfolio composition, adherence to intent of mechanism, relative impact in addition to technical merit





Unique Partnerships



Consumers

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



Congress

- Add funds to budget
- Targeted guidance

Researchers

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

DoD

- Program management
- Contracting actions
- Regulatory requirements



Consumers



Grassroots consumers heightened political awareness of breast cancer that led to increased funding for cancer research and the 1992 creation of the CDMRP. The voices and experiences of consumers continue to play a pivotal role in the establishment

and growth of research programs.





FY16 Funding



| Program | \$M | Program | \$M |
|---|---------|--|---------|
| Alcohol and Substance Abuse Disorders | \$4.0 | Peer Reviewed Alzheimer's | \$15.0 |
| Amyotrophic Lateral Sclerosis | \$7.5 | Peer Reviewed Cancer (13 Topics) | \$50.0 |
| Autism | \$7.5 | Peer Reviewed Medical (39 Topics) | \$278.7 |
| Bone Marrow Failure | \$3.0 | Peer Reviewed Orthopaedic | \$30.0 |
| Breast Cancer | \$120.0 | Prostate Cancer | \$80.0 |
| Duchenne Muscular Dystrophy | \$3.2 | Reconstructive Transplant | \$12.0 |
| Epilepsy | \$7.5 | Spinal Cord Injury | \$30.0 |
| Gulf War Illness | \$20.0 | Tick-Borne Disease | \$5.0 |
| Joint Warfighter Medical* | \$50.0 | Trauma Clinical Research | \$10.0 |
| Lung Cancer | \$12.0 | Tuberous Sclerosis Complex | \$6.0 |
| Military Burn | \$8.0 | Vision | \$10.0 |
| Multiple Sclerosis | \$6.0 | | |
| Neurofibromatosis | \$15.0 | Programs Managed on behalf of Others: | |
| Neurotoxin Exposure Treatment Parkinson's | \$16.0 | Defense Medical R&D* | \$299.6 |
| Orthotics and Prosthetics Outcomes | \$10.0 | Defense Medical R&D Restoral* | 207.5 |
| Ovarian Cancer | \$20.0 | Psychological Health and Traumatic Brain Injury* | \$125.0 |

* CDMRP is assisting with the management of a specified portion of a larger appropriation(s)

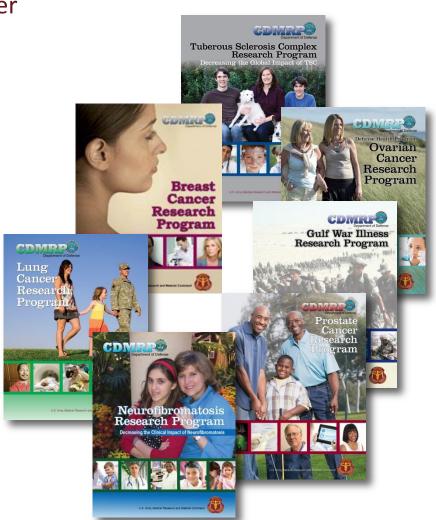
TOTAL = \$1.468B



A Major Funder



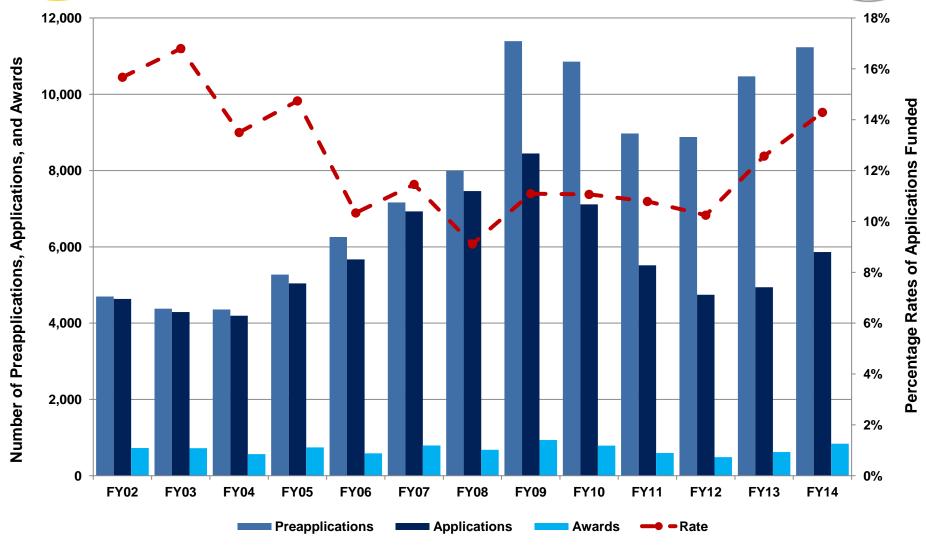
- The CDMRP is THE leading U.S. funder for Neurofibromatosis research
- The CDMRP is the 2nd largest
 U.S. funder for research in:
 - Breast cancer
 - Gulf War Illness
 - Lung cancer
 - Ovarian cancer
 - Prostate cancer
 - Tuberous sclerosis complex





Funded Awards Rate

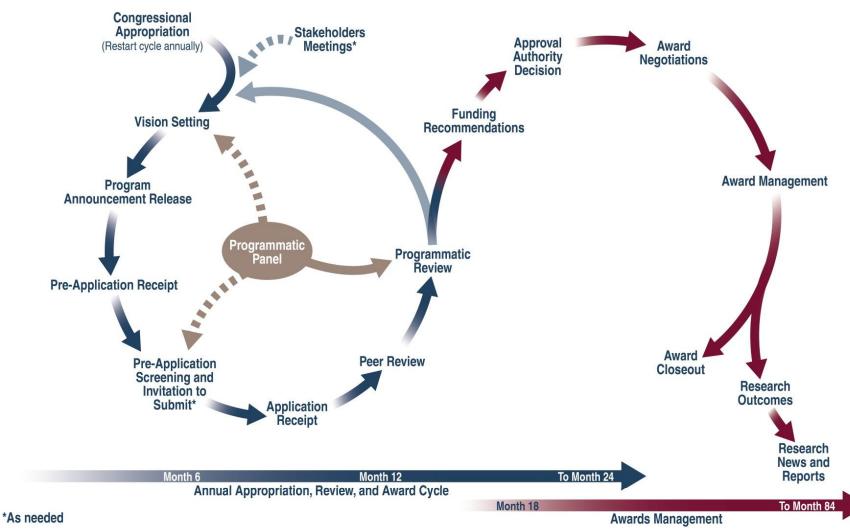






Program Cycle







Two-Tier Review Process



Mission:

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

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; no out-year budget commitments (but milestones imposed)
 - No continuation funding



Award Mechanisms Pipeline

Career Development Funding for all career stages



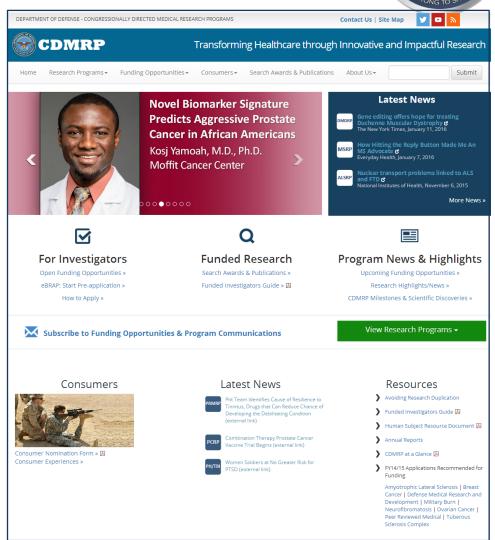
Research Awards Closing gaps in research through innovative and impactful research



Transparency



- https://cdmrp.army.mil
- Financials
- FundingOpportunities
- Search Awards
- ResearchOutcomes







Types of Funding Opportunity Notices and Award Instruments for Medical Research and Development Awards

Laurie E. Hovermale

US Army Medical Research Acquisition Activity (USAMRAA)
US Army Medical Research and Materiel Command

20 April 2016

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Purpose



To Increase Understanding of:

- The types of USAMRMC Contracting and Funding Opportunities
- When they are used and where they are published
- Quick Links





US Army Medical Research Acquisition Activity (USAMRAA)



- USAMRAA is the contracting element of the USAMRMC
- Provides support to the Command headquarters and its worldwide network of laboratories and medical logistics organizations (e.g. Cooperative Agreements, Grants, Contracts, Other Transactions for Prototypes)
- USAMRAA also supports Army-wide projects sponsored by the Army Surgeon General,
 Joint Service Programs, and numerous Congressionally mandated programs

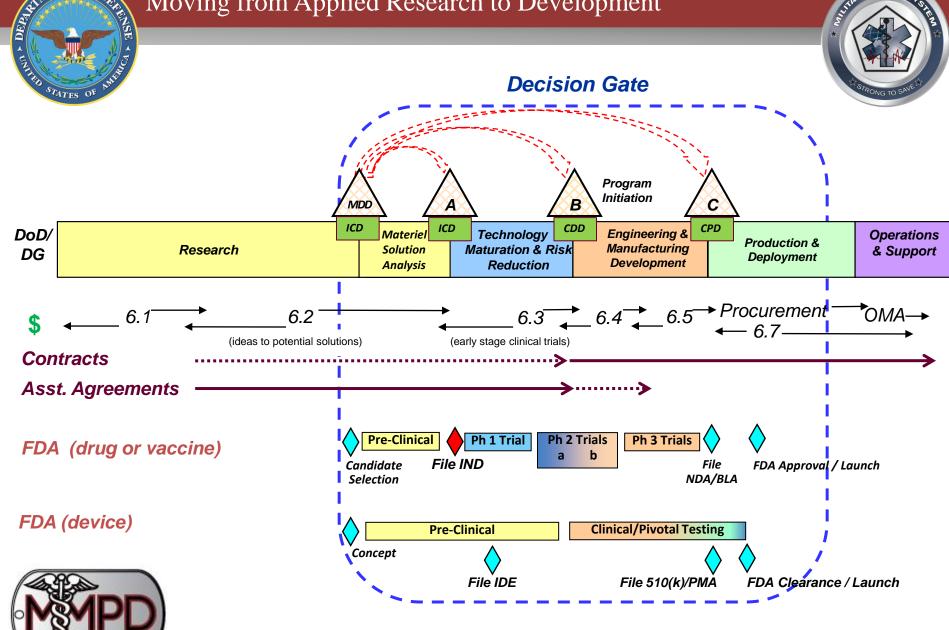
| | Workload | <u>[</u> |
|---------|----------|----------|
| | Dollars | Actions |
| FY 2014 | \$2.1B | 7,740 |
| FY 2015 | \$2.2B | 7,823 |

| Assistance Agreements and Contracts Award Breakout | | | | | | |
|--|------------|------------|-----------|---------|--|--|
| | Assistance | Agreements | Contracts | | | |
| | Dollars | Actions | Dollars | Actions | | |
| FY 2014 | \$752M | 2,504 | \$1,321M | 5,236 | | |
| FY 2015 | \$1,027M | 2,550 | \$1,247M | 5,273 | | |





Moving from Applied Research to Development





Types of instruments for Medical Research & Development Awards



| | Non-Procuren | nent (Assistance) | Procurement (Acquisition) | | | |
|---|---|--|--|--|--|--|
| Areas of Difference | | Agreements DGAR | Contracts FAR, DFARS, AFARS | | | |
| | Grants | Cooperative Agreements | Numerous Types | | | |
| Advertised | Gran | nts.gov | FedBizOps | | | |
| Solicitation Method & Review Process | | ad Agency Announcement (BAA); Peer nmatic Review | Request for Proposal (RFP); Source Selection Board | | | |
| Principal Purpose | support a public purpose, rathe | ty to be carried out is to stimulate or r than the direct benefit of the US rnment | The principal purpose is the acquisition of supplies and services for the direct benefit or use of the Federal Government | | | |
| Deliverable | Re | port | Product, Service, or Knowledge | | | |
| Fee or Profit | DOD does not a | allow fee or profit | Permitted, Negotiable, For-Profit Organizations | | | |
| Termination | (1) Recipient has the unilateral right to terminate (2) Government has the right to terminate for "material failure to comply" (3) Mutual agreement of both parties | | Government has the unilateral right to terminate at any time fo its convenience and for default ("T for C" and "T for D") | | | |
| Patents | | ves recipient the right to elect title to inventions | Patent rights per Bayh Dole Act. Gives recipient the right to elec title to subject inventions | | | |
| Intellectual Property (Other than Patents) | Federal Purpose Rights | | Procedures and clauses in place to identify, negotiate, and validate right to proprietary information (Data Rights and Copyrights) | | | |
| Other Considerations | | Consortium (Large Arrangements) | Partnering with Commercial Entities Small Business Considerations | | | |



Solicitation Notices



FEDBIZOPPS https://www.fbo.gov

DoD and Federal contracting activities post most requirements greater than \$15,000 to FEDBIZOPPS website.

Active or archive search by dates and/or:

- Type of Notice
- Solicitation or Award Number
- Place of Performance Zip Code
- Set-Aside Type
- NAICS/FSC/PSC
- Key Words
- Selected Agencies

Register for Vendor Notification Service by:

- Specific Solicitation Number
- Same Selections as Above
- All Notices (Caution)





Funding Opportunity Announcements



- 1. Broad Agency Announcement Synopsis Only
 - ➤ New FY BAA is posted every 1 October
 - Posted on Federal Business Opportunities Fedbizopps: https://www.fbo.gov
- 2. Broad Agency Announcement & All Program Announcements
 - Posted on GRANTS.GOV
 - http://www.grants.gov
- 3. "Search Grants" by
 - > CFDA No: 12.420
 - ► DODAAC: W81XWH-
 - **Caution:** Submission Deadlines



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Where to Register

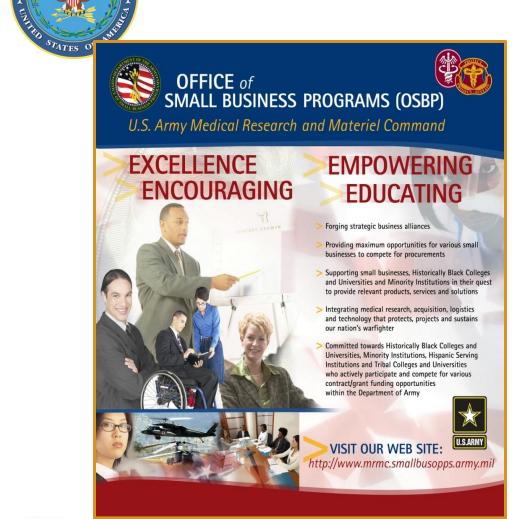


- 1. System for Award Management (SAM)
 - https://www.sam.gov
 - > Start Early
- 2. Federal Business Opportunities (Fedbizopps)
 - https://www.fbo.gov
- 3. Grants.gov
 - http://www.grants.gov
- 4. Electronic Biomedical Research Application Portal (eBRAP)
 - https://ebrap.org/eBRAP/public/index.htm



Office of Small Business Programs





Contact Information

- ➤ Mr. Jerome Maultsby
 - www.mrmc.smallbusopps.army.mil





Where to Look



USAMRAA Home Page <u>www.usamraa.army.mil</u>



United States Army Medical Research Acquisition Activity USAMRAA

PRODUCTS | CUSTOMERS | ORGANIZATION | BUSINESS | REFERENCES | COMMUNITY | TOOLS | LINKS | SITEMAP |

- **OSBP**
- Assistance Agreements
- 7 Forms
- Assistance Advisory Notices
- Procurement Advisory Notices
- New Products & Idea Submissions
- 7 BAA
- Contact Webmaster
- 7 iSalute
- 7 PRWeb Help
- 7 MRMC
- **MEDCOM**
- ARMY.MIL
- 7 SHARP
- National Suicide

Prevention Lifeline

IMPORTANT LINKS

Conference - Medical Research, Development and Acquisition in Support of the Warfighter.

Center of Excellence

CMRA

PRCentral Training Presentations

HBCU-MI Briefing Presentations

Advanced Acquisition Forecast (AAF)

Trouble Accessing the USAMRAA website(s)

AbilityOne E-Commerce Website

(USAMRMC Base Supply Program)

Fort Detrick Contracting Community Portal

Sample Contract Supporting Documents

Contract Requirements Matrix

VCE-COR website

Vendor Day

General Guidelines for Awards Funded by the DOD





NFWS

PROGRAM ANNOUNCEMENT (PA) POSTINGS & UPDATES

For a complete listing of Assistance Agreement Funding Opportunities posted by the U.S. Army Medical Research Acquisition Activity, please see Grants.gov and perform a search using CFDA# 12.420.

NOTICE: Any assistance instrument awarded under these Funding Opportunities will be governed by the award terms and conditions, which conform to DoD's implementation of OMB circulars applicable to financial assistance. Terms and conditions of new awards made after December 26, 2014, may include revisions to reflect DoD implementation of new OMB guidance in 2 CFR part 200, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards."

SOLICITATIONS POSTINGS & AMENDMENTS

For a complete listing of Solicitations posted by the U.S. Army Medical Research Acquisition Activity, please see FedBizOpps or the Army Single Face to Industry (ASFI) website and perform a search for W81XWH. Additionally, announcements with J&A's can be found on FEDBIZOPPS and ASFI.

SOLICITATIONS \$15,000 TO \$25,000

Pursuant to FAR 5.101(a)(2) all solicitations issued by this activity expected to exceed \$15,000 and not expected to exceed \$25,000 will be posted on Federal Business Opportunities at https://www.fbo.gov, Choose the "Opportunities" tab, then enter "Department of the Army / U.S. Army Medical Research Acquisition Activity" in the Agency search field.

FISCAL YEAR 2016 YEAR END CUT-OFF CONTRACTING SERVICES

Memorandum: Notification of Fiscal Year 2016 (FY16) Year-End Cut-Off for Acquisition Services

MISSION

The US Army Medical Research Acquisition Activity provides quality, timely, and cost effective business advice and solutions for our customers.







Special Operations Medicine

MILITARY MEDICINE PARTNERSHIP DAYS

LTC Chris Wilson
Office of the Command Surgeon
US Special Operations Command
20 April 2016

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Damage Control Resuscitation

USSOCOM Research Areas of Interest



Medical Simulation and Training Technologies

Prolonged Field Care



Global Treatment Strategies

Analgesia

Far Forward Blood, Blood Components, Blood Substitutes &

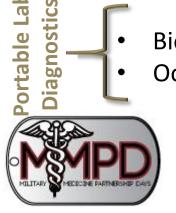
Injectable Hemostatics

Austere Surgical Stabilization



Biological

Occupational and Environmental Health (OEH) Hazards





USSOCOM Research Areas of Interest Continued



FHP & Environmental Medicine

Optimal Acclimatization Strategy

- Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE)
 Rapid Diagnostics, Treatment, and Prophylaxis
- Chelation Strategies

Canine Medicine

- Environmental Extremes
- Sensory Optimization and Protection
- Trauma Resuscitation / Non-Traditional Anesthesia
- Pre and Post Trauma Training/Behavioral Issues
- Optimizing Canine Performance and Nutrition

ниman Operational Performance

- Optimal Performance Strategy
- Pharmaceutical and Nutritional Supplement interactions
- Heart Rate Variability
- Nutritional Status
- Enhanced Physiological Performance





INDUSTRY ENGAGEMENT









Identify Technology – Provide Feedback – Advance Tech Readiness Level

Research & Grant Opportunities
Advanced Development Opportunities
Small Business Outreach

Industry
Outreach
COTS Focus

MHSRS
SOFIC
SOMSA
Cooperative Research &
Development Activity



- USSOCOM Extramural Biomedical R&D BAA <u>www.grants.gov</u>
- USSOCOM Science & Technology BAA <u>www.fbo.gov</u>
- Email: <u>biomedical@socom.mil</u>





USAMRMC SBIR/STTR Programs

Mr. J.R. Myers

Plans, Programs, Analysis & Evaluation
US Army Medical Research and Materiel Command
20 April 2016

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Purpose



To increase understanding of the USAMRMC Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs.

- Agenda
 - > SBIR/STTR Programs
 - > Small Business Eligibility
 - > Three-Phased Process
 - ➤ DoD SBIR/STTR Solicitations
 - ➤ Proposal Submission
 - > SBIR/STTR Resources





SBIR and STTR Programs



- Congressionally-mandated
 Programs intended to promote technological innovation and economic growth through Federal investment
- Several Federal Agencies participate
- Small Business Administration holds programmatic authority as expressed in SBIR/STTR Policy Directives







Federal Agency Participation



SBIR + STTR Programs:



Dept. of Defense



Dept. of Health and Human Services



Dept. of Energy





National Science Foundation

SBIR Program only:



Dept. of Agriculture



Dept. of Education



Dept. of Transportation



Environmental Protection Agency



Dept. of Homeland Security



Dept. of Commerce

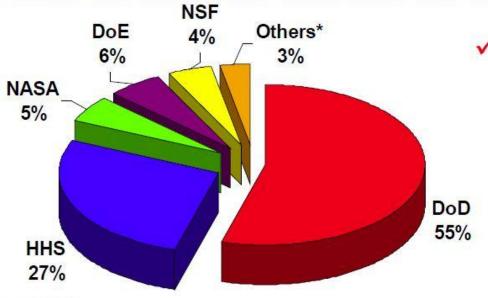




Federal Agency Participation



| | DoD | NASA | DOT | EPA | DHS | USDA | DOE | NSF | DOC | DoED | HHS |
|--------------------|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|
| SBIR | • | • | • | • | • | • | • | • | • | • | • |
| STTR | • | | | | | | • | • | | | |
| Contract/ Grant | С | С | С | С | С | G | G | G | G/C | G/C | G/C |



- ✓ Small Business
 Administration (SBA)
 oversees the federal
 SBIR/STTR programs
 - Policy Directives
 - Congressional Reports
 - Size Determination
 - Waivers





DoD Component Participation



SBIR + STTR Programs:



Air Force



Army



Navy



Defense Advanced Research Projects Agency



Assistant Secretary of Defense/Research & Engineering



Special
Operation
Command



Defense Health Program



Missile Defense Agency



Joint S&T Office for Chemical and Biological Defense

SBIR Program only:



Defense Microelectronics Activity



National Geospatial Agency



Defense Threat Reduction Agency



Defense Logistics Agency





SBIR Eligibility



- For-profit, based in U.S.
- 500 employees or fewer
- 51% U.S.-owned; controlled by individuals
- Min. 2/3 of Phase I effort and 1/2 of Phase II effort performed by small business
- Principal Investigator's primary employment must be with the small business







STTR Eligibility



- Same size, control, and benchmark requirements as SBIR
- Formal cooperative R&D effort
 - Min. 40% by small business
 - Min. 30% by U.S. Research Institution
- U.S. Research Institution:
 - College or university
 - Federally Funded Research and Development Center (not Government-owned labs)







Army & DHP SBIR Process Flow



Topics



Phase I

DoD Solicitation

CY.1*, CY.2, and **CY.3***

*MRMC Participation

Feasibility Study

Army: \$100K, 6 Months \$50K Option, 4 Months

DHP: \$150K, 6 Months

Phase II



Prototype Development \$1M, 2 Years



Phase III



Commercialization Transition to Federal Government or Private Industry

No SBIR Funds



Phase I + Phase II = \$1,150,000

PH II Enhancement = NTE \$500,000



Army & DHP STTR Process Flow



Topics



DoD Solicitation CY.A*, CY.B, and CY.C*

*MRMC Participation

Phase I



Feasibility Study \$150K, 6 Months

Phase II



Prototype
Development
\$1M, 2 Years

Phase III



Commercialization
Transition to Federal
Government or Private
Industry
No SBIR Funds



Phase I + Phase II = \$1,150,000

No PH II Enhancements



DoD SBIR/STTR Solicitations



A DoD SBIR/STTR Solicitation includes:

- DoD Instructions
- Service/Component
 Unique Instructions
- Topics

SBIR 16.1 STTR

Pre-Release 11 Dec 15

> Open 11 Jan 16

Close 17 Feb 16

SBIR 16.2 STTR

Pre-Release 22 Apr 16

Open 23 May 16

Close 22 Jun 16

SBIR 16.3 STTR

Pre-Release 26 Aug 16

Open 26 Sep 16

Close 26 Oct 16





Proposal Submission

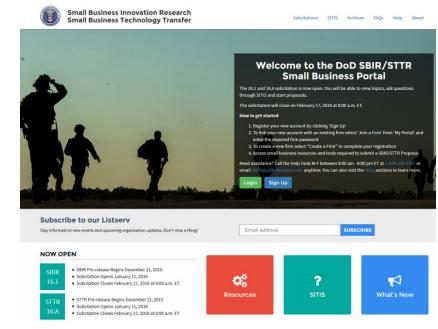


A SBIR/STTR Phase I or Phase II
 proposal to any DoD Component
 must be submitted through the DoD
 Submission system
 https://sbir.defensebusiness.org

Finding Topics
 https://sbir.defensebusiness.org/topics

Topics Q&A (SITIS)
 https://sbir.defensebusiness.org/sitis







SBIR/STTR Resources



DoD SBIR Website

- Program Overview
- Current/ Past Solicitations
- Program Reports
- News
- Doing Business with DoD









SBIR/STTR Resources



SBA's SBIR/STTR Website

Search for:

- Applicants
- Awardees
- Investors
- Large Businesses
- Agencies
- Policy Directives



www.sbir.gov





Questions?



For additional questions after the conclusion of the conference, send an email message to usarmy.detrick.medcom-usamrmc.mbx.mmpd@mail.mil

