



# Military Medical SBIR/STTR Contract Opportunities

J.R. Myers, USAMRDC SBIR Project Manager

[james.r.myers38@mail.mil](mailto:james.r.myers38@mail.mil)

17 March 2021



*The views expressed in this presentation are of the authors and may not necessarily be endorsed by the U.S. Army*



# Disclaimer



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



# Agenda



- 1. Overview of Military Medical SBIR/STTR Opportunities within DoD**
  - 1. DHA SBIR/STTR**
  - 2. Army SBIR/STTR**
- 2. SBIR/STTR Process Flow: DHA and Army**
- 3. Transition and Commercialization Support**
  - 1. Technical Assistance Advocate**
  - 2. Sources of Phase III Funding**
- 4. Further Resources: SBIR.gov and DSIP**
- 5. Questions**



# DoD Component Participation



## SBIR + STTR Programs:



Air Force



Army



Navy



Defense Health Agency



Defense Advanced Research Projects Agency



Missile Defense Agency

## SBIR Program only:



Defense Threat Reduction Agency



Joint S&T Office for Chemical and Biological Defense



National Geospatial-Intelligence Agency



Special Operations Command



Defense Microelectronics Activity



Defense Logistics Agency



# DoD Component Participation – Medical



## SBIR + STTR Programs:



Air Force



Army



Navy



Defense Health Agency

**Some medical topics**



Defense Advanced Research Projects Agency



Missile Defense Agency

**All medical topics**

**Check for medical topics**

## SBIR Program only:



Defense Threat Reduction Agency



Joint S&T Office for Chemical and Biological Defense



National Geospatial-Intelligence Agency



Special Operations Command

**Check for medical topics**



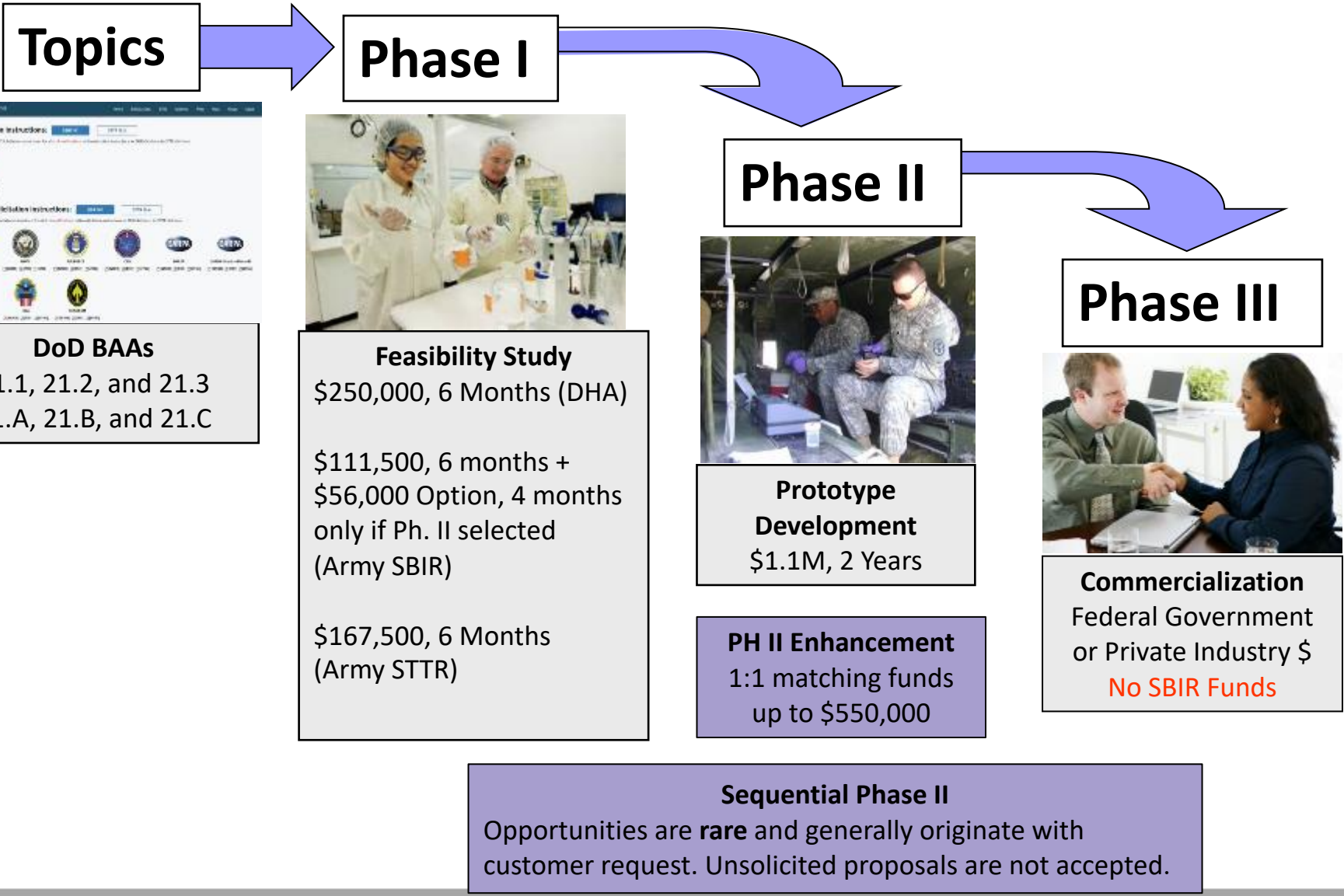
Defense Microelectronics Activity



Defense Logistics Agency



# SBIR/STTR Process Flow





# DoD SBIR/STTR BAAs



- The DoD SBIR/STTR Office establishes six DoD SBIR/STTR Broad Agency Announcements (BAA) and respective mandated dates.
- Each BAA has a: Pre-release, Open and Close period.
- During the pre-release period the Government does not accept proposals, but small businesses can discuss technical questions directly with the Topic Authors.

## SBIR 21.1 STTR 21.A

Pre-Release  
8 Dec 2020

Open  
14 Jan 21

Close  
4 Mar 21

## SBIR 21.2 STTR 21.B

Pre-Release  
21 Apr 21

Open  
21 May 21

Close  
17 Jun 21

## SBIR 21.3 STTR 21.C

Pre-Release  
25 Aug 21

Open  
23 Sep 21

Close  
22 Oct 21



# The Defense Health Agency



- DHA is a joint, integrated Combat Support Agency that provides to the Army, Navy, and Air Force a **medically ready force and ready medical force**.
- DHA manages 400 Healthcare facilities in support of 10M beneficiaries.
- The DHA also executes the Defense Health Program (DHP) RDT&E appropriation, managing its Research, Development and Acquisition processes to support the needs of the Combatant Commands.
- The DHA SBIR and STTR Programs are executed under a shared services agreement with the **US Army Medical Research and Development Command (USAMRDC)**.
- The Program Director for DHA SBIR/STTR is **CDR Tatana Olson**, Acting J-9 (S&T) Chief of Staff at DHA.





# DHA R&D Topic Areas



## Medical Simulation & Information Sciences (JPC-1)



- Theater/Operational Medical Support
- Medical Simulation and Training Technologies

## Military Infectious Diseases (JPC-2)



- Bacterial
- Parasitic
- Viral
- Information & Devices

## Military Operational Medicine (JPC-5)



- Injury Prevention and Reduction
- Psychological Health and Resilience
- Physiological Health
- Wearable Sensors

## Combat Casualty Care (JPC-6)



- Neurotrauma & Traumatic Brain Injury
- Hemorrhage Control & Resuscitation
- En Route Care

## Radiation Health Effects (JPC-7)



- Post-exposure mitigation of radiation injury
- Protection and prevention
- Development of biodosimetry tools

**Important—Neither DHA nor Army (Medical) SBIR/STTR publishes topics outside of the above areas!**



# Army SBIR/STTR Medical Topics



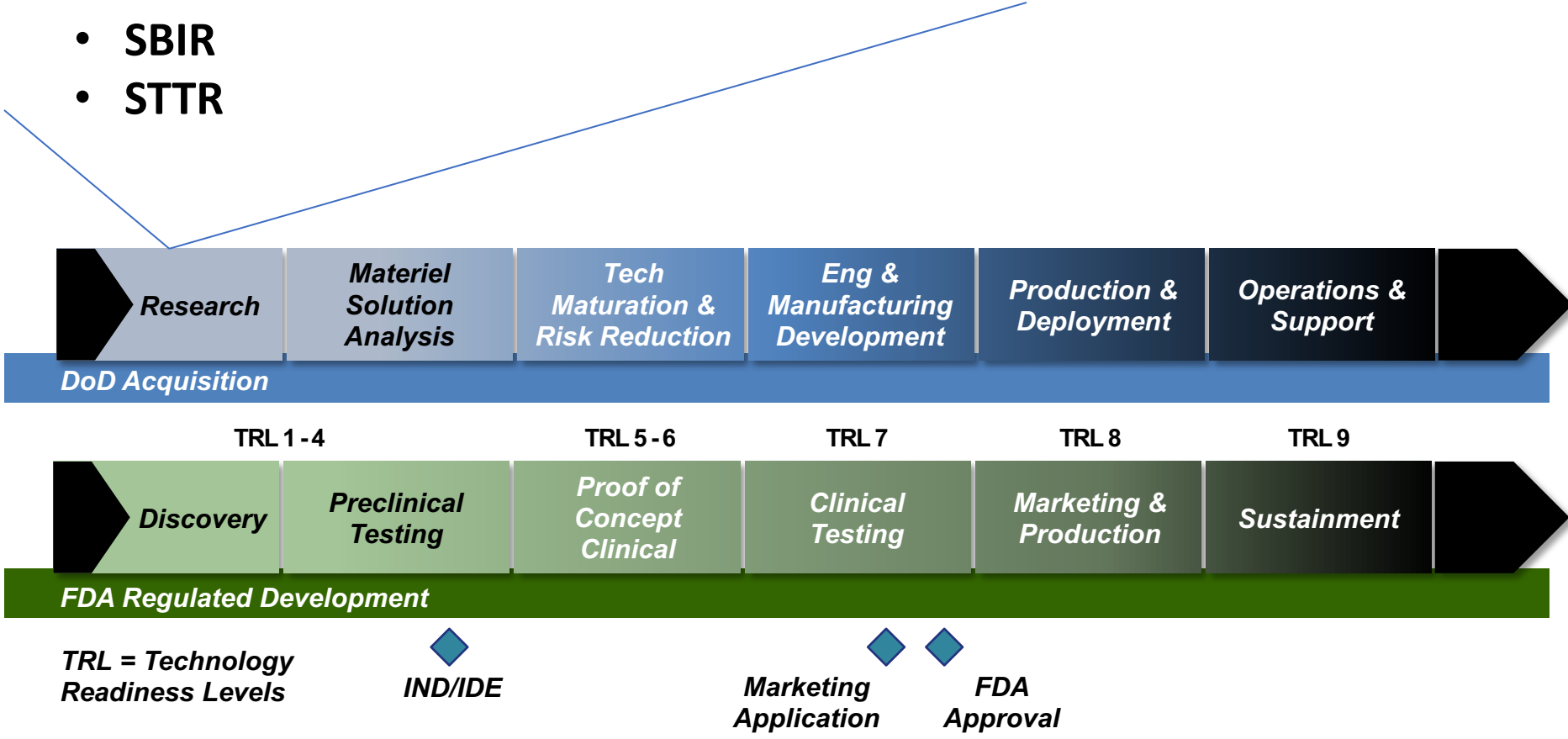
- The US Army Medical Research and Development Command (USAMRDC) manages medical topics and projects for the Army Fundamental SBIR Program and the Army STTR Program.
- USAMRDC is part of **Army Futures Command**.
- Topics published under the Army Fundamental SBIR and Army STTR Programs reflect the **same general R&D areas as DHA**, but must also support Army Futures Command Cross Functional Team objectives: <https://www.army.mil/futures#org-about>
- The Army SBIR Fundamental Coordinator is **Mr. Monroe Harden**.
- The Army STTR Acting Program Manager is **Mr. Michael Caccuito**.



# SBIR/STTR Products and DoD Acquisition



- Planned S&T Investments
- SBIR
- STTR



**Important—Medical product development funding is highly limited—your product will always need commercial customers outside of the DoD, even if for a different version.**



DHA and Army SBIR/STTR provide the services of a **Technical Assistance Advocate (TAA)** to Phase I, II, and III small business performers. TAAs:

- Work with small businesses to help map out initial transition and commercialization opportunities.
- Functions as a liaison with Government personnel, such as product developers, COR, and Program Sponsor Offices.
- Answers questions on follow-on funding opportunities and discusses transition strategy with small businesses.
- Facilitates Phase II Enhancement coordination (iterative process) with all stakeholders.



# Phase II Enhancement (PIIE)



**GOAL: Accelerate R&D to bridge the Technology Readiness Level (TRL) gap between SBIR/STTR seed funding and the wider DoD network of Program Executive Offices and Advanced Developers.**

- DHA SBIR/STTR offers a 1:1 match, up to \$550K, if the incoming PIII funds are determined eligible and the effort is found to fit an outstanding capability gap.
- *Army Fundamental SBIR Phase II Enhancements are currently on hold.*
- Army STTR does not offer Phase II Enhancements at this time.
- Enhanced projects should be funded at the pull of the customer, and increase the TRL of the effort. Not just 'more \$' but should consider PIII funds as 'skin in the game' and involve stakeholder coordination.
- Funding is subject to availability and a deliberate approval process.



# Sources of Phase III



Phase III derives from, extends, or completes an effort made under prior SBIR funding agreements, but is funded by sources other than the SBIR Program.

**Traditional** examples of Phase III include:

- Commercial sales of a dual-use SBIR/STTR-derived product or component.
- A contract in which the performer utilizes an SBIR/STTR-derived technology to achieve the Government goals.
- Non-SBIR RDT&E funds directly allocated from a Program Executive Office or U.S. Army Medical Materiel Development Activity (USAMMDA).

**Non-traditional** examples of Phase III include:

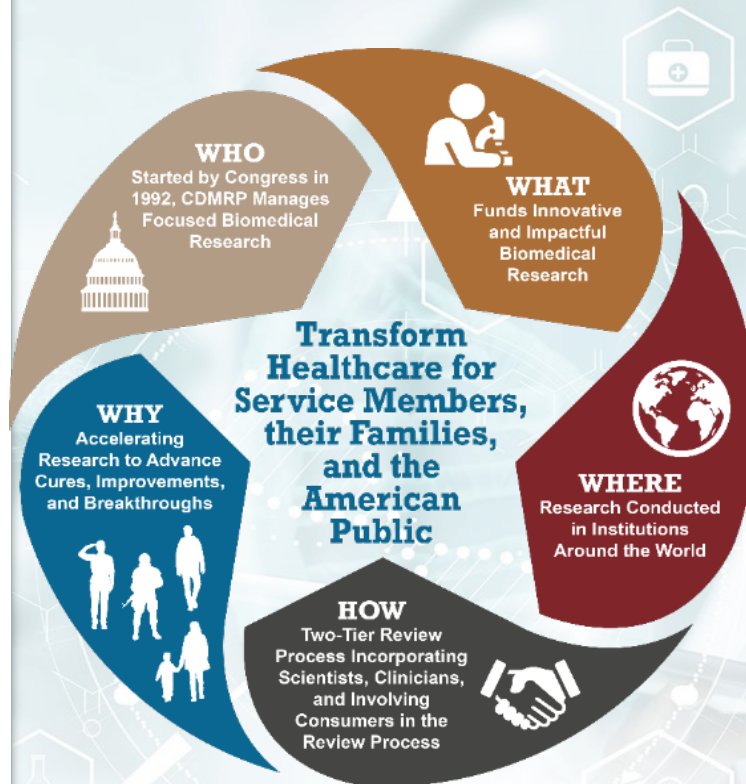
- Funding mechanisms via **Congressionally Directed Medical Research Programs (CDMRP)** or Other Transaction Agreement (OTA) membership-required funding, such as the **Medical Technology Enterprise Consortium (MTEC)**. <https://www.mtec-sc.org/>

# Congressionally Directed Medical Research Programs

## FY21 CDMRP RESEARCH PROGRAMS

- Alcohol and Substance Abuse Disorders
- Amyotrophic Lateral Sclerosis
- Autism
- Bone Marrow Failure
- Breast Cancer Research
- Chronic Pain Management
- Combat Readiness-Medical
- Duchenne Muscular Dystrophy
- Epilepsy Research Program
- Gulf War Illness
- Hearing Restoration
- Joint Warfighter Medical
- Kidney Cancer
- Lung Cancer
- Lupus
- Melanoma
- Military Burn
- Multiple Sclerosis
- Neurofibromatosis
- Neurotoxin Exposure Treatment Parkinson's
- Orthotics and Prosthetics Outcomes
- Ovarian Cancer
- Pancreatic Cancer
- Peer Reviewed Alzheimer's
- Peer Reviewed Cancer (20 Topics)
- Peer Reviewed Medical (42 Topics)
- Peer Reviewed Orthopaedic
- Prostate Cancer
- Rare Cancers
- Reconstructive Transplant
- Scleroderma
- Spinal Cord Injury
- Tick-Borne Disease
- Traumatic Brain Injury and Psychological Health
- Tuberous Sclerosis Complex
- Vision

**FY21 Total Funding: \$1.5 Billion**



<https://cdmrp.army.mil>

## FY21 FUNDING OPPORTUNITIES



- ◆ Numerous types of award mechanisms across programs
  - ❖ Tailored to goals of each program
  - ❖ Programs, topics, and focus areas may vary from year to year
  - ❖ Fund full continuum of research
  - ❖ Awarded primarily as grants and cooperative agreements
- ◆ Pre-announcement release
  - ❖ CDMRP website and email blast
- ◆ Funding opportunity postings
  - ❖ Grants.gov (search CFDA 12.420)
  - ❖ electronic Biomedical Research Application Portal (eBRAP; <https://ebrap.org>)
  - ❖ CDMRP website





# SBA and DoD SBIR/STTR Resources



## SBA's SBIR/STTR Website:

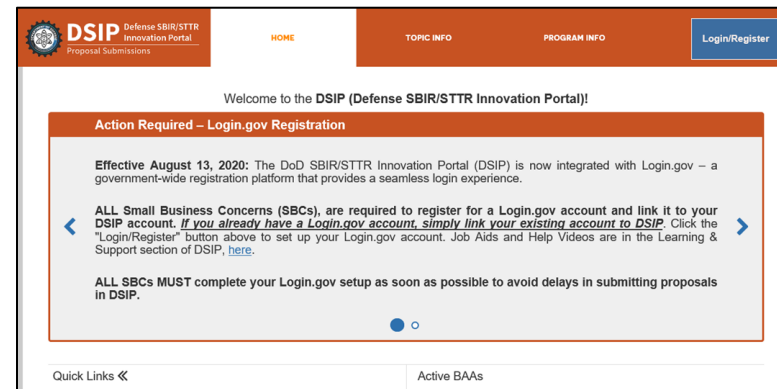
- Policy Directives
- Award Data
- Participating Agencies
- State-Based Assistance



[www.sbir.gov](http://www.sbir.gov)

## DoD's SBIR/STTR Website:

- Upcoming Broad Agency Announcements (BAAs)
- Help Desk
- Topic Q&A
- Email list for updates



<https://www.dodsbirsttr.mil/submissions/login>





# Questions?

