Partnering with the Department of Defense to Protect the Warfighter: Investments in National Health Security

June 30, 2022
Overview and DoD Priorities:
Chemical, Biological, Radiological and Nuclear (CBRN) Defense Medical Priorities

Mr. Ian Watson
Deputy Assistant Secretary of Defense for Chemical and Biological Defense
Overview and DoD Priorities:
Joint Science and Technology Office (JSTO) Overview

LTC Barbara Cloutier
Acting Division Chief, Warfighter Integration/
Military Advisor
CBDP mission:
Anticipate future threats & deliver capabilities that enable the Joint Force to survive, fight & win in chemical and biological (CB)-contested environments through a coordinated effort designed to neutralize adversarial CB threats.
JSTO-CBD Structure

Chemical and Biological Technologies Department (RD CB)
COL Timothy Greenhaw, (Acting) Director

Deputy Director, Chemical and Biological Technologies Department

Research Operations Division (CBC)
Mr. Eric Lowenstein

Warfighter Integration/Military Advisor Division (CBW)
LTC Barbara Cloutier (Acting)

Research Center of Excellence Division (CBR)
Dr. Neil Jensen

Protection and Hazard Mitigation Division (CBT)
Dr. Charles Bass

Detection/Diagnostics Division (CBA)
Dr. Richard Schoske

Digital Battlespace Management Division (CBI)
Dr. John Hannan

Vaccines/Therapeutics Division (CBM)
Dr. Erin Reichert

Advanced and Emerging Threat Division (CBS)
Dr. Bradley Norwood
Solutions sooner rather than later ...
Connecting to Ops

Chemical and Biological Operational Analysis (CBOA)

Advanced Technology Demonstration (ATD)

Leading S&T for Chem-Bio Defense
The Defense Threat Reduction Agency’s Chemical and Biological Technologies Department serves as the Joint Science and Technology Office within the Chemical and Biological Defense Program.
Overview and DoD Priorities:
Joint Program Executive Office for CBRN Defense (JPEO-CBRND) Overview

Mr. Darryl Colvin
Joint Program Executive Officer
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development

Platforms as A New DoD Paradigm

Mr. Bruce Goodwin
Joint Project Lead for CBRND
Enabling Biotechnologies
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development

Generative Unconstrained Intelligent Drug Engineering (GUIDE) Platform

Mr. Bruce Goodwin
Joint Project Lead for CBRND Enabling Biotechnologies
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development

Pandemic Prevention Platform (P3)

Dr. Amy Jenkins
Defense Advanced Research Projects Agency
Biological Technologies Office
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development

Accelerated Antibodies

Mr. Dave Bailey
Joint Project Lead for CBRND
Enabling Biotechnologies
Interagency initiative between DOD and HHS to establish and exercise an industry ‘development machine’ to de-risk and accelerate monoclonal antibody delivery

ACCELERATED ANTIBODIES

Platform Discovery
May not be required for every mAb

Cell line development

Phase 1 trial

Non-clinical testing

Mfg

mAb development machine

Accelerated Antibody Development Machine
VAMP MODULAR APPROACH

Modular contracting strategy with multiple options and go/no go decisions across the development pathway; allows for vaccine acceleration through full or interim capabilities, to increase readiness against a broad class of threats, as need and funding allows.

This strategy helps vaccines accelerate through full or interim capabilities
Investing at the Speed of Need: Novel Technologies and Platforms to Accelerate Drug Development

Question and Answer Session
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures

A “Treat the Symptoms” Approach

LTC Barbara Cloutier

Defense Threat Reduction Agency
Joint Science and Technology Office
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures

Impacts of Chemical Biological Defense Program Approach to Research, Development, and Acquisition of Medical Countermeasures and Test Products

Dr. Tony Cardile
Joint Project Manager for CBRN Medical
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures

Discovery of Medical Countermeasures Against Novel Entities (DOMANE)

Dr. Dave Hone
Defense Threat Reduction Agency
Joint Science and Technology Office
Discovery of Medical Countermeasures Against New and Emerging threats (DOMANE)
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures

Rapid Acquisition and Investigation of Drugs for Repurposing (RAIDR)

COL Ryan Eckmeier
Joint Project Manager for CBRN Medical
• Leverages investments and knowledge gained in conventional medical countermeasure development
• Fast and affordable way to deliver interim capabilities for known, potential, and unknown emerging threats
  o Collaborative with inter/intra-agency partners, academia, and industry
  o Proven during COVID-19 response
  o Leverages established safety and manufacturing
  o Bridges the gap until complete capabilities are in place
Repurposing and Redirecting: An Alternate Approach to Accelerating Medical Countermeasures

Question and Answer Session
How to Work with DoD
How to Work with DoD

Recent Success Using Non-traditional Approaches and Methods for Working with DoD

Ms. Nicole Kilgore
Deputy Joint Program Executive Officer
How to Work with DoD

Other Transaction Authority – Medical CBRN Defense (MCDC) Consortium

Mr. Lee Hess
JPEO-CBRND
SPECTRUM OF MEDICAL COUNTERMEASURES

**PREVENTION**
Prophylaxis sustains the force

**DIAGNOSIS**
Diagnostic identifies threats to treat

**TREATMENT**
Therapeutic saves lives
OTAs have the following key features that enhance both the contractor and Government experience:

- **Open Communications:** Government requiring office and Consortium Members are free to discuss any project attributes including cost, schedule and performance, new ideas/approaches, forecasts, etc.
  - No need to formalize discussions
  - No need to distribute discussion information
  - Exceptions:
    - Cannot discuss proprietary information of another contractor
    - Discussions are closed during evaluation periods
- “Commercial Like” financing and payment terms
- Follow-on Production (successful completion or unanticipated favorable results)
- Negotiable IP and data rights
- Flexible - (T&C, agreement types, evaluation process, success metrics, deliverables)
- Streamlined – (EWP w/ROM vice formal proposal)
- Basket
- FAR DOES NOT APPLY
MCDC OTA

307 Members

- Traditional, 11%
- Non-Traditional, 89%

- Non-Traditional/Traditional Distribution
  - Academic, 9%
  - Large, 13%
  - Not-For-Profit, 8%
  - Small, 68%

- FY 16, 17 RPP (5 Projects), 9 Awards, 0 Basket; FY 16-17 Basket Pulls - 1
- FY 18 RPP (11 Projects), 23 Awards, 14 Basket; FY 18 Basket Pulls - 10
- FY 19 RPP (12 Projects), 16 Awards, 17 Basket, FY 19 Basket Pull - 4
- FY 20 RPP (17 projects), 23 Awards, 21 Basket, FY 20 Basket Pull - 1
- FY 21 RPP (6 Projects), 7 Awards, 7 Basket, FY 21 Basket Pull – 0
- FY 22 RPP (10 Projects), 1 Awards, 8 Basket; FY 22 Basket Pulls - 0

- Awarded Member Ceiling - $8,728,577,171
- Total Ceiling Cost (w/CMF Fee) $8,778,119,266
- Funded To Date - $7,907,917,272
- Disbursed (Inc CMF C&F) $5,356,349,640
- Paid to Performer - $5,150,749,013

Note: All totals include OWS awards

Total Awarded Projects: 79
Active Funded Projects: 69
HOW TO JOIN THE MCDC OR CWMD CONSORTIUM

• Visit: www.medcbrn.org or www.cwmdconsortium.org

• Complete and sign the Membership Application
  o Review and sign the Articles of Collaboration
  o Provide DD2345 Certification Number
    ▪ Military Critical Technical Data Agreement (access to unclassified technical data)
    ▪ Instructions available at www.medcbrn.org or www.cwmdconsortium.org
  o If operating under Foreign Ownership, Control or Influence (FOCI)
    ▪ DSS-approved mitigation plan OR signed Export Compliance Acknowledgement Form
  o Membership limited to US firms/entities or US-based affiliates of foreign firms/entities

• Send to MCDC@ati.org or CWMD@ati.org

• For all inquiries contact Mike Stebbins
  o mike.stebbins@ati.org
  o 843-760-4094
CONTACT

Mr. Keith Batchelor
OTA Program Manager
240-586-15253
roger.k.batchelor2.civ@army.mil

Mr. Lee Hess
OTA Program Manager
240-344-0462
lee.a.hess.civ@army.mil

Public Affairs Office: 410-436-9000
Traditional Contracting: Alan Burket | 443-655-8608

Website: www.jpeocbrnd.osd.mil
Social Media: @JPEOCBRND
GETTING TO AGILE
DIVERSE ACQUISITION TOOLS AND THE PEOPLE WHO KNOW HOW TO USE THEM

Awards outside of MATOCs and OTAs:
- Primarily awards of legacy components or are sole source

Medical and CWMD OTAs:
- Inspires technical innovation and expedited awards
- Expands industrial base to “Non-Traditional” Defense contractors
- Encourages partnerships amongst both Industry and Government entities

Program and SETA support MATOC:
- Centralized management and support
- Standardized processes and procedures

Enterprise-wide logistics and sustainment MATOC:
- Pre-MDD through development, production, procurement, fielding and initial sustainment

Key tools are knowledge and transparency:
Multiple venues for Government and Industry interaction. Multiple training opportunities for JPEO staff, other partners and industry. One goal, equipping people to know how to use the right tool for the job.

Unclassified
CWMD OTA PARTNERSHIP STRUCTURE

CWMD OTA PROGRAM MANAGEMENT OFFICE
(CONTRACT MANAGEMENT OFFICE (CMO))

CONSORTIUM

AGREEMENTS OFFICER
Army Contracting Command – New Jersey

ATI
ADVANCED TECHNOLOGY INTERNATIONAL

CONSORTIUM MANAGEMENT FIRM

PROJECT SPONSORS

PROJECT HOLDERS

SMALL LARGE ACADEMIC
TRADITIONAL NON-TRADITIONAL
NOT-FOR-PROFIT

Countering Weapons of Mass Destruction

Countering Weapons of Mass Destruction

Unclassified
OBJECTIVE AREAS

• CBRNE counter-proliferation, nonproliferation, and defense equipment
• Installation and force protection
• Command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) systems for WMD detection, localization, identification, and tracking and CBRNE response operations
• Technologies that support the find, fix, finish, exploit, analyze, and disseminate (F3EAD) process
• Preparing for and combatting improvised threats and the improvised explosive device network
• WMD precursor, agent, and device defeat or neutralization
• Ensuring nuclear deterrence
• Manned and unmanned platforms capable of supporting CWMD operations
• Technologies that enhance the effectiveness of forces that are tasked to conduct CWMD operations
• Other operations related to the CWMD mission
CWMD OTA

- **398 Members**
  - 87% Non-Traditional
  - 13% Traditional

- Non-Traditional/Traditional Distribution
  - Academic, 5%
  - Large, 16%
  - Not-For-Profit, 4%
  - Small, 75%

- **FY 18 RPP (34 Projects), 22 Awards, 0 Basket; FY 18 Basket Pulls - 1 (Expired)**
- **FY 19 RPP (37 Projects), 51 Awards, 16 Basket, FY 19 Basket Pull - 5**
- **FY 20 RPP (42 projects), 29 Awards, 80 Basket, FY 20 Basket Pull - 2**
- **FY 21 RPP (19 Projects), 52 Awards, 40 Basket, FY 21 Basket Pull - 6**
- **FY 22 RPP (06 Projects), 12 Awards, 03 Basket, FY22 Basket Pull - 5**

- **Awarded Member Ceiling - $1,066,645,397**
- **Total Ceiling Cost (w/CMF Fee) $1,077,038,549**
- **Funded To Date - $838,297,945**
- **Disbursed (Inc CMF C&F) $846,364,106**
- **Paid to Performer - $726,608,192**

- **Total Awarded Projects 166**
- **Active Funded Projects 101**
KEY PROGRAM ROLES & RESPONSIBILITIES

YOU ARE NOT ALONE!

• Program Management Office (JPEO-CBRND)
  o Execute program strategy and marketing
  o Manage operations
    • Monitor Cost, Schedule, and Technical Performance
  o Provide acquisition support and expertise
    • Contractual (1101/1102 series)
    • Technical (0800 and 1300 series)
  o Maximize customer service and support
    • Training

• Agreements Officer (ACC-NJ)
  o Review and approve requirements
  o Review and approve evaluations of white papers/proposals
  o Prepare Determination and Findings -- award approval
  o Facilitation of legal and SCO reviews
    • Perform post-award administration

• Consortium Management Firm (ATI)
  o Manage consortium
  o Maintain on-line process for bid management
  o Conduct pricing certifications
  o Complete compliance checks
  o Award sub-agreements
  o Monitor post-award performance against technical milestones
  o Manage payment process

• Agreements Officer’s Representative
  • Write requirements with program team
  • Conduct evaluations
  • Draft selection memoranda
  • Monitor cost, schedule, and technical performance
  • Approve deliverables
  • Approve payments, etc.
  • Communicate any changes to PMO/AO
JPEO ENTERPRISE TECHNOLOGY TOOL (JETT)

COMING SOON: A new conduit to connect directly with the JPEO!

» JETT is a web-based software application that facilitates industry engagement

» Connects companies to the “right” point(s) of contact based on answers to a short questionnaire

» Companies can also upload documents and additional information

» Submissions will go directly to point(s) of contact for review and follow-up

https://www.jpeocbrnd.osd.mil/Work-With-Us
CALL FOR PAPERS

H2022 CHEMICAL AND BIOLOGICAL DEFENSE SCIENCE & TECHNOLOGY CONFERENCE

DECEMBER 6-9, 2022 | SAN FRANCISCO, CA

Do you have innovative research that can make an impact in the chem-bio defense community?

Submit your abstracts today at CBDSTconference.com

ABSTRACT SUBMISSION DEADLINE:

JULY 8, 2022

Registration opens this summer. Visit CBDSTconference.com for more information.

Approved for public release; distribution is unlimited