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If no search results for your keyword(s) were found, you are encouraged to review Agency omnibus solicitations for additional funding opportunities. Omnibus solicitations are structured to be broad, extensive Programmatic issuances with research areas related to the petitioning Agency and are not limited to predetermined Topics/Subtopics. If upon reviewing you have additional questions, you may consider reaching out to the respective Agency for clarification regarding acceptable proposals (https://www.sbir.gov/agency-contacts).

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1. CBD161-001: Dual-Purpose Biocidal and Chemical Warfare Agent/Reactive Textile Finish

   Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

   TECHNOLOGY AREA(S): Biomedical, Chemical/Biological Defense, Materials/Processes OBJECTIVE: Develop textile finishes that can provide both broad spectrum biocidal activity and chemical warfare agent reactivity. Develop protective finishes for military relevant textiles that provide broad spectrum biocidal activity (Gram-positive bacteria, Gram-negative bacteria, fungi, and viruses) that are compat ...

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2. CBD161-002: Development of Chemical and Biological Aerosol and Liquid Repellent Coatings

   Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

   TECHNOLOGY AREA(S): Chemical/Biological Defense, Materials/Processes OBJECTIVE: To develop, assess, and optimize Chemical and Biological (CB) aerosol and liquid repellent

coatings for use on textiles and solid surfaces. DESCRIPTION: Chemical and Biological agents can be in the aerosol state (i.e., tiny particles or droplets suspended in the air1) or liquid state. It is therefore critical to develo ...

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3. CBD161-003: Dermal Medical Countermeasures for Chemical Weapons Exposure

Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

TECHNOLOGY AREA(S): Biomedical, Chemical/Biological Defense, Human Systems OBJECTIVE: To develop low-cost, FDA-cleared toxic chemical neutralizing countermeasures for use on abraded skin or whole body DESCRIPTION: Current formulations of dermal medical countermeasures to chemical warfare agents (CWAs) are only approved by the FDA for small area applications on intact skin. This severely restricts ...

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4. CBD161-004: Medical Countermeasure Development for Viral Induced Encephalitis Using Single Domain Antibodies

Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

TECHNOLOGY AREA(S): Biomedical, Chemical/Biological Defense OBJECTIVE: The objective of this effort is to identify single domain antibodies that demonstrate the capability to cross the blood brain barrier and neutralize encephalitic viruses. DESCRIPTION: Currently there is a capability gap for the effective treatment of viral induced encephalitis. It is widely acknowledged that viruses such as tho ...

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5. CBD161-005: Smartphone Application for Mask Sizing and Projecting Quantitative Fit

Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

TECHNOLOGY AREA(S): Chemical/Biological Defense OBJECTIVE: Design and develop a software application (‘app’) for rapid identification of the appropriate size of a respiratory protective mask facepiece and to reliably predict the quantitative protective fit once the size has been determined. DESCRIPTION: Military respirators used for protection against chemical, biological, radiological and nuc ...

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6. CBD161-006: Contaminated Material Transfer Case

Release Date: 12-10-2015Open Date: 01-11-2016Due Date: 02-17-2016Close Date: 02-17-2016

TECHNOLOGY AREA(S): Chemical/Biological Defense, Materials/Processes OBJECTIVE: The overall objective is to develop a high strength/low weight chemically and biologically impermeable container capable of being opened to allow the insertion of the maximum sized contents of 85” x 24” x 18” and up to 335 lbs of chemical or biological hazardous materials. After loading contents, the container wo ...

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