

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // October 19, 2021



[SUBMIT A TECHNICAL INQUIRY](#)

NIH

NOTABLE TECHNICAL INQUIRY

What are possible U.S. Department of Defense (DoD) applications for chondroitin sulfate glycosaminoglycan (CS-GAG) hydrogels?

The Homeland Defense and Security Information Analysis Center recently conducted research and analysis on possible DoD applications for CS-GAG.

CS-GAG hydrogels are a modification of hyaluronic acid (HA). HA, found naturally in the human body, is produced in the plasma membrane of vertebrate cells. HA hydrogels have been used successfully in cell delivery and many other biomedical applications. [READ MORE](#)



SNEAK PEEK

UPCOMING WEBINAR:

Right Information, Right Format, Right People - Keys to Improving Engagement Between the Department of Defense & the U.S. Innovation Community

DATE:

November 17, 2021

TIME:

12:00 PM

PRESENTED BY:

Lisa Delp

HOST:

HDIAC



VOICE FROM THE COMMUNITY

Lisa Delp
GDI Partners

Lisa Delp is the Director of the Ohio Federal Research Network Commercialization Team. She has operated as the interface between academic labs, U.S. Department of Defense (DoD) facilities, and Ohio industry. This work provided the insight to develop a repeatable, measurable, and scalable process to aid in identifying technology solutions to meet the needs of the DoD. She also co-founded the GDI Partners TRIAD (Technology Requirements & Innovation Awareness Days) program that provides education and advocacy to stimulate small business growth and the commercialization of new technology for the U.S. Warfighter.

BECOME A SUBJECT MATTER EXPERT



HIGHLIGHT

Statement by Secretary of Defense Lloyd J. Austin III on the Department of Defense Climate Adaptation Plan

Climate change is an existential threat to our nation’s security, and the Department of Defense must act swiftly and boldly to take on this challenge and prepare for damage that cannot be avoided. Every day, our forces contend with the grave and growing consequences of climate change, from hurricanes and wildfires that inflict costly harm on U.S. installations and constrain our ability to train and operate, to dangerous heat, drought, and floods that can trigger crises and instability around the world. [LEARN MORE](#)

FEATURED NEWS

NSF Supports Infrastructure-Focused Research Projects Grounded in Behavioral and Social Science

The U.S. National Science Foundation is supporting more than 20 exploratory research projects examining the interactions of people and society with physical and digital infrastructure. Through NSF’s Strengthening American Infrastructure initiative, researchers will investigate a variety of areas — from bridges and electrical grids to online education — with the shared goal of producing fundamental scientific knowledge that can be used to make current and future infrastructure safer, smarter, and more cost effective. [READ MORE](#)



Image: National Science Foundations



[LEARN MORE](#)

TechOhio

WEBINARS

Right Information, Right Format, Right People - Keys to Improving Engagement Between the Department of Defense & the U.S. Innovation Community

Presented: November 17, 2021 12:00 PM–1:00 PM

Presenter: Lisa Delp

Host: HDIAC

The U.S. Department of Defense (DoD) and the innovation community don't always speak the same language or do business in the same way; and until they do, neither can fully achieve their business or national defense goals. Yet some companies, particularly small businesses, continue to respond to solicitations that may, or may not, help to advance their technology. This happens because they don't always understand the language in DoD funding topics and may not know where to go for assistance.

Clear communication is vital if the DoD hopes to find new technologies to meet the challenges faced by Servicemembers and U.S. companies hope to secure development funding, demonstrate their technology, or land a government contract. This session discusses the differences, similarities, and challenges faced by those developing requirement-responsive technology and the community that is seeking solutions to defense and national security problems. Company representatives, academic researchers, economic development organizations, or U.S. government technology scouts will find content that improves engagement between those inside and outside the fence. [LEARN MORE](#)

EVENTS

64th Annual Biosafety and Biosecurity Conference

October 22-27, 2021

14th Annual Homeland Defense/ Security Education Summit

November 1-3, 2021

CBRNe Convergence

November 2-4, 2021

BARDA Industry Day

November 3-4, 2021

Energy, Infrastructure, and Environment (EIE) Summit

November 16, 2021

2021 American Nuclear Society (ANS) Winter Meeting and Technology Expo

November 30-December 4, 2021

From ADAS to Automated Driving Digital Summit

December 7-8, 2021

Want your event listed here?

Email contact@hdiac.org, to share your event.

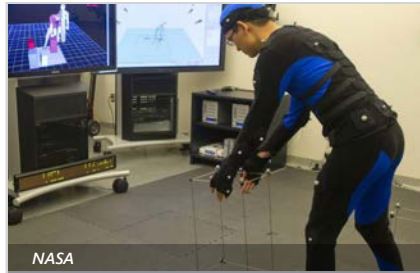
-  Alternative Energy
-  Biometrics
-  CBRN Defense
-  Critical Infrastructure Protection
-  Cultural Studies
-  Homeland Defense & Security
-  Medical
-  Weapons of Mass Destruction

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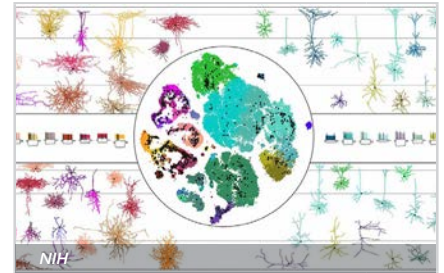
RECENT NEWS



NASA

The Construction of Basketball Training System Based on Motion Capture Technology

Biometrics & Medical



NIH

NIH BRAIN Initiative Unveils Detailed Atlas of the Mammalian Primary Motor Cortex

Medical



Idaho National Laboratory

National Laboratory Partners With Arizona Company to Use Nuclear Energy for Clean Hydrogen Production

Alternative Energy



CCDC CBC

Army Researchers Apply AI/ML in Pursuit of Solutions for Soldiers

CBRN Defense & WMD



USGS

3-D Printable Thermoelectric Ink Turns Car Exhaust Pipes Into Power Generators

Alternative Energy



U.S. Army

Insidious Scourge Critical Infrastructure at Biological Risk

CBRN Defense & WMD

