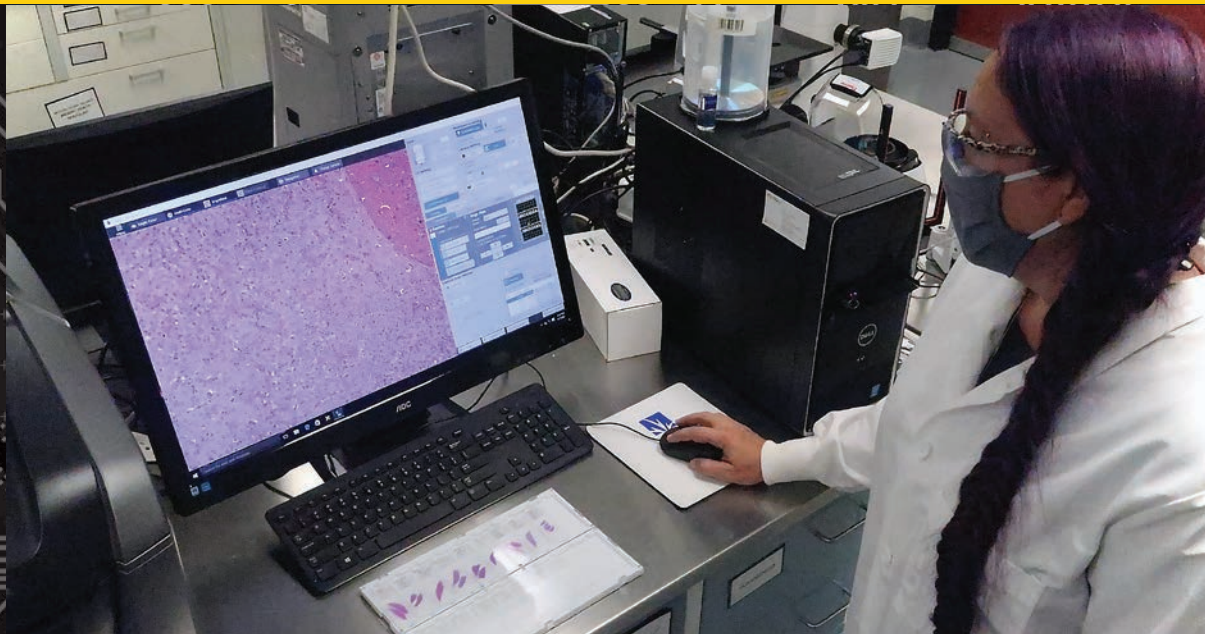


# NEWS ROUNDUP



U.S. Army DEVCOM Chemical Biological Center  
July 2021 – September 2021

THE NATION'S PRINCIPAL RESEARCH AND DEVELOPMENT RESOURCE FOR NON-MEDICAL CHEM-BIO DEFENSE



CBC biologist Julie Renner uses a hand-stained liver tissue sample to train an algorithm to virtually stain samples using AI/ML.

## FEATURED STORY

# SCIENTISTS APPLY AI/ML IN PURSUIT OF SOLDIER SOLUTIONS

**ABERDEEN PROVING GROUND, MD** – DEVCOM Chemical Biological Center is internally funding five new artificial intelligence/machine learning (AI/ML) seed projects this year. These projects all have the potential to assist the Center and its partners in the development of new technologies for the warfighter. Ultimately, the Center wants to establish AI/ML as a routine part of its researchers' skill set to ensure that technologies for the warfighter flow from the best research and design possible.

For more information visit: <https://www.cbc.devcom.army.mil/newspost/army-researchers-apply-ai-ml-in-pursuit-of-solutions-for-soldiers/>



## AT THE CENTER

Click on the photo for more information or SCAN QR CODE



Army Chemist Receives Award for STEM Innovation



Smaller, Faster Prototype Detects Chemicals in Fingerprints



Man's Best Friend Persists in Fight Against COVID19

## COLLABORATION CORNER

During a visit to the U.S. Military Academy, CBC Senior Scientist for Chemistry Dr. Patricia McDaniel and other CBC scientists discussed future collaborations with Chemistry and Life Sciences Department faculty and cadets.



Soldiers from the 759th Military Police Battalion, Fort Carson, Colorado, successfully identified powders and liquids using a Center-developed test kit called the Pocket Detection Pouch during training exercises at MSSPIX 21 at Fort Leonard Wood, Missouri.



Center Director Dr. Eric Moore, along with Center biologist Dr. Calvin Chue, participated in a panel titled "The Ever Changing Threats: Novichok and Pharmaceutical Based Agents" at the Nonconventional Threat Conference in Baltimore.



For more CBC collaborations, see our [Linked In page at https://www.linkedin.com/company/u-s-army-devcom-chemical-biological-center](https://www.linkedin.com/company/u-s-army-devcom-chemical-biological-center).



For more information on any item of interest, contact Richard Arndt at [richard.m.arndt.civ@army.mil](mailto:richard.m.arndt.civ@army.mil). References to commercial publications do not constitute endorsement by the U.S. Army. Commercial publications may be pay-restricted.

<https://www.cbc.devcom.army.mil/>