Bio Terror Bible

EXPOSING THE COMING BIO-TERROR PANDEMIC

BIOTERRORBIBLE.COM: The following news reports are in respect to bio-terror related technology which was released within the calendar year of 2012. Over the last 5 years, a pandemic blog, a pandemic Facebook application, multiple bio-terror sniffing phone applications, and a bio-terror first responder iPhone application have all been invented. All that is currently missing from the pandemic equation is the made for TV bio-terror attack.

Title: The Center For Biosecurity Launces First Responder iPhone App
Date: January 20, 2012
Source: Bio Prep Watch

Abstract: The Center for Biosecurity recently announced the launch of its Clinicians' Biosecurity Resource app for the iPhone.

The CBR was designed to give physicians the critical information needed to recognize the signs and symptoms of illnesses caused by six potential biological warfare agents, including anthrax, botulism, Hemorrhagic fever viruses, plague, Variola and tularemia, according to UPMC-CBN.org.

The center, a nonprofit research organization funded by the University of Pittsburgh Medical Center, is providing the app free of charge through Apple's iTunes App Store.

In the case of a biological weapons attack, rapid diagnosis and treatment would be essential. The CBR is intended to guide physicians who need to manage the care of patients who might have been exposed to deadly pathogens but may not have specialized in infectious diseases.

The CBR will be reviewed biannually and updated to ensure that each profile remains current and accurate. It is not intended to replace clinical guidance and the center urges clinicians to consult with the necessary agencies or specialists before making decisions about the individual treatments, UPMC-CBN.org reports.

Each pathogen profile includes links to guidelines from the U.S. Centers for Disease Control and Prevention, as well as other major authorities. **The profiles also contain a history of offensive weapons research into each agent** (Bio Prep Watch, 2012).

Title: DTRA Issues Request For Handheld Biothreat Detector
Date: January 23, 2012
Source: Bio Prep Watch

Abstract: The U.S. Defense Threat Reduction Agency issued a request on Wednesday for information on the development of a handheld device that could be used by front-line soldiers to identify and characterize biothreats and disease agents.

The information request, released by the agency's Joint Program Manager – Transformational Medical Technologies division, is meant to protect deployed military forces from emerging infectious diseases and biological warfare agents that could result from bioterrorism attacks.

The request is seeking information on existing technologies, including pathogen identification and characterization, chemical agent identification and sample preparation prior to analysis on a handheld device in an end-to-end, integrated system. Officials are only interested in technologies that have already been developed to the stage of a working prototype.

The prototype should be lightweight, easy-to-use and should include a handheld bio-identification system that will help those on the front-line to identify and characterize pathogens found in a sample. Military officials deem the importance of identifying bio-warfare and infectious disease agents above that of identifying chemical agents and biological toxins.

The component that prepares the samples must be combined with the handheld bio-identifier and must be reliable for front-line operations of the military. The process from the beginning to the end of analysis should take less than one hour (Bio Prep Watch, 2012).

Title: U.S. Testing New Rapid Response Vaccine-Delivery Platform
Date: February 16, 2012
Source: Bio Prep Watch

Abstract: Health officials in the United States are currently testing a new vaccine-delivery platform developed by the Halifax, Nova Scotia-based Immunovaccine, Inc.

The DepoVax vaccine-delivery platform is intended for use in rapid response to a bioterrorist event involving either civilians or the military, according to TheChroncicleHerald.ca.

"Our platform seems to enhance the effectiveness of some vaccines that could be used to counter bioterrorism events," Marc Mansour, Immunovaccine's chief science officer, said, TheChronicleHerald.ca reports. "The challenge for military or civil authorities is to have a particular vaccine take effect as quickly as possible."

Mansour said that DepoVax has the ability to generate an immune response rapidly.

The U.S. National Institute of Allergy and Infectious Diseases plans to include the vaccine-delivery platform in additional testing slated to begin this spring. DepoVax will be one of several vaccines and vaccine boosters to be included in the round of non-human primate tests.

Immunovaccine recently announced that DepoVax could serve to advance the development of next generation vaccines that could be used against the deadliest of biological agents, including anthrax and Marburg virus.

"This collaboration is consistent with Immunovaccine's strategy for leveraging DepoVax to enhance the immunogenicity of even the best vaccine antigen candidates in as little as a single dose," John Trizzino, the chief executive officer at Immunovaccine, said, TheChronicleHerald.ca reports (Bio Prep Watch, 2012).

Title: PositiveID To Debut New Biosensor
Date: February 23, 2012
Source: Bio Prep Watch

Abstract: A subsidiary of PositiveID Corporation, a medical device and diagnostic developer, announced on Tuesday that it will present its Microfluidics-based Bioagent Autonomous Networked Detector system at a biodefense research meeting in February in Washington D.C.

MicroFluidic Systems will present the M-BAND system at the 10th Annual American Society for Microbiology Biodefense and Emerging Diseases Research Meeting, which will be held at the Omni Shoreham Hotel between February 26 and February 29. The company will jointly exhibit the system with Hamilton Sundstrand and the Boeing Company.

M-BAND was developed by MFS under a contract with the Department of Homeland Security. The detector is an early warning system that is built to detect the intentional release of biological agents that have been aerosolized. The system runs autonomously for as many as 30 days while analyzing air continuously for the detection of toxins, viruses and bacteria. The device, used typically in high-traffic areas, can provide results in as little as three hours.

The results from instruments in the M-BAND system are in reported in real time via a secure wireless network to give an up to date and accurate status. The system can be used to detect for RNA-based organisms, DNA-based pathogens, toxins or all three simultaneously.

During the conference, approximately 1,000 decision makers and leaders in the biodefense fields will discuss the critical research necessary to shape the future of biodefense (Bio Prep Watch, 2012).