



U.S. Army
Edgewood Chemical Biological Center

Public Affairs Office

(410) 436-4347

News Release

Edgewood CB Center Wins Two Federal Laboratory Consortium Awards for Technology Transfer

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Aberdeen Proving Ground, Md. – Two Edgewood Chemical Biological Center (ECBC) projects recently won awards from the Federal Laboratory Consortium (FLC) for exemplary work in furthering technology transfer. The projects, known as “Design, Development, Training, Fielding and Continued Consultation for Mobile Laboratories” and “Antibody Engineering for Expression in Insect Cells and Larvae,” received two of only 22 awards distributed nationwide by the FLC. Both projects involve application of government-developed technologies to commercial enterprises.

The mobile laboratory project relates to the design, development, training, fielding, and continued consultation for unique solutions for field analysis of chemical and biological materials. These laboratories and systems are now considered the state-of-the-art in laboratory design and will help integrate and standardize field sampling and analysis technologies supporting civilian first responders, military leaders, and federal agencies when responding to chemical, biological and radiological terrorism worldwide.

The antibody expression project addresses an advanced method for manufacturing recombinant proteins in insect cells and larvae. This technology allows for study of the impact of biological threat agents on gene expression utilizing cells derived from insect larvae, which exhibit responses more similar to animal cells than do bacterial cells. This development allows researchers to realize more pertinent results in their work.

The FLC Awards for Excellence in Technology Transfer are awarded annually and recognize laboratory employees who have accomplished outstanding work in the process of transferring a technology developed by a Federal laboratory to the commercial marketplace. The panel that evaluates the award nominations consisted of technology transfer experts from industry, state and local government, academia, and the Federal laboratory system. Entries are evaluated on the recipient of and need for the technology, technical expertise, details of the technology transfer partnership, innovative processes used during the transfer, time frame challenges, and any patents or publications associated with the transfer.

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ECBC is the Army's principal research and development center for chemical and biological defense technology, engineering and services. ECBC has achieved major technological advances for national defense, civilian needs and industrial competitiveness, with a long and distinguished history of providing the Armed Forces with quality systems and outstanding customer service. ECBC is located at the Edgewood Area of Aberdeen Proving Ground, Md. For more information about the Edgewood Chemical Biological Center, please visit our Web site at <http://edgewood.sbccom.army.mil> or call (410) 436-4347.