



U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND

Edgewood Chemical Biological Center

Adam Seiple

Associate Director

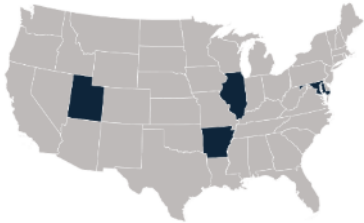
Edgewood Chemical Biological Center



ECBC: 100 YEARS OF CHEMISTRY AND BIOLOGY



ECBC provides an extraordinary capability against emerging biological and chemical threats by merging intelligence assessments with its world-renowned expertise. ECBC provides a unique blend of distinguished scientists and engineers to research and analyze the emerging threats and technological advances.



Located at the Aberdeen Proving Ground-Edgewood Area in Edgewood, MD, with three satellite sites at Pine Bluff, AR; Rock Island, IL; and Dugway Proving Ground, UT.



Over 1,400 civilian, military and contractor employees through our scientific and engineering expertise

Provide innovative and cost-effective chemical and biological defense technology solutions

Unique facilities and collaboration with partners



U.S. ARMY
RDECOM

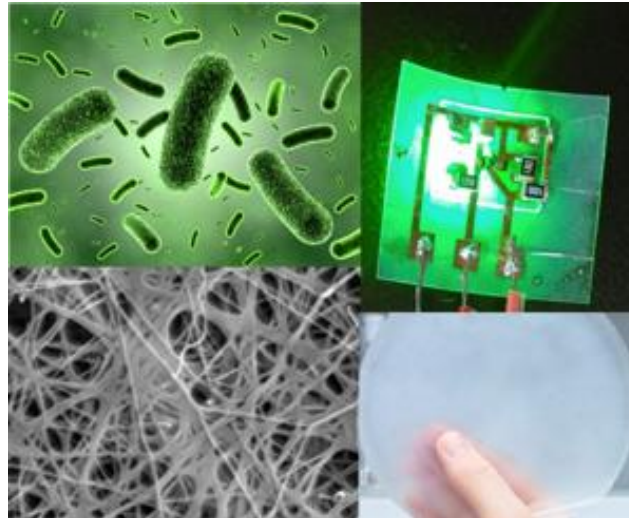
WHERE WE'RE GOING

FUTURE FOCUS AREAS AT ECBC



Low-cost, Low-power, Semi-autonomous Systems

Array Configured of Remote Network Sensors (ACORNS)



Synthetic Biology Solutions for the Warfighter

Biological Engineering for Advanced Material Solutions (BEAMS)



Near Term Focus for Long Term Problems

Increased collaboration and iteration for higher return on investment



WHO WE NEED

FUTURE WORKFORCE AND SKILLSETS

Opportunities to work at ECBC

- Minority Undergraduate Student Internship Program (MUSIP)
- Sabbatical Opportunities

Interdisciplinary technical areas

- The intersection of Chemistry and Biology, of Biology and Engineering

Science and Engineering Communicators

- How to communicate technical topics to all levels of expertise

Flexible, Adaptable and Collaborative

- Team players with a collaborative spirit
- Creative, non-traditional thinkers who can envision opportunity in the government



MINORITY SERVING INSTITUTION STEM R&D CONSORTIUM (MSRDC)



MSI STEM
Research & Development
CONSORTIUM

ENGAGE DIVERSE TALENT. PROMOTE INNOVATION. CHANGE LIVES.

Providing non-traditional solutions to non-traditional challenges



MSRDC is a consortium of minority serving institutions to **facilitate the engagement of MSI students and researchers with DoD scientists and engineers through mission-driven research projects.**

For more information: www.msrdconsortium.org

Sponsoring Agencies

- Defense Threat Reduction Agency
- Communications Electronics Research Development and Engineering Center
- Armaments Research Development and Engineering Center
- Department of Homeland Security

S&T Topics

- Chemical/Biological Defense
- Communications, Electronics and Cyber
- Materials Science
- Modeling and Simulation