



Commonwealth  
Cyber Initiative

# Pathways for Cyberbiosecurity Workforce Preparation: Integrating Insights from Both Cybersecurity and Biosecurity

Samson Adeoye, B Bagby, Feras Batarseh, Anne Brown, Eric  
Kaufman, & Heather Lindberg

Virginia Tech & Virginia Western Community College

1

1



bit.ly/PCBSE2023




Commonwealth  
Cyber Initiative

Proliferation of cyber-physical systems (CPS) is increasing potential for attacks on biological processes (Subeesh & Mehta, 2021).

Agriculture and life sciences sector is falsely viewed as disconnected from the cyber world (Bryne, 2019).

Conventional approaches to biosecurity and biosafety are insufficient for protecting against emergent cyber risks (Berger & Schneck, 2019).

2

2