



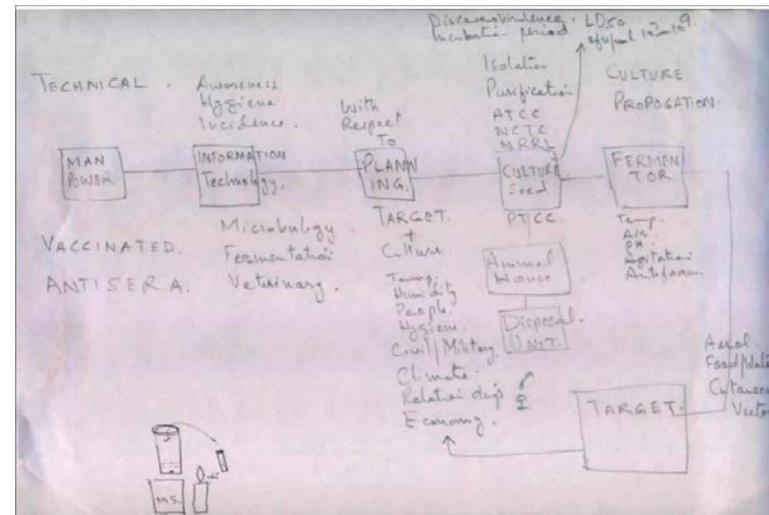
The FBI's Efforts to Address the Biological Threat

Nathan E. Head, Ph.D.
Supervisory Special Agent, WMD Directorate
Federal Bureau of Investigation



The Threat

- State and non-State actors have expressed interest in biological weapons
- Calls for scientists to join terrorist organizations
- Greater access to research information and advances in biotechnology may facilitate exploitation of legitimate biological research





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WMD Directorate Mission

- **Mission**

- Develop and execute an integrated approach to deny both state-sponsored/enemies/rogue nations and non-state-sponsored actors/terrorist groups' access to WMD materials and technologies;
- Detect and disrupt acquisitions or use of WMD by these state and non-state actors;
- Prevent WMD attacks, and respond to WMD threats and incidents.

- **Vision**

- Eliminate the acquisition and use of weapons of mass destruction by state-sponsored and non-state-sponsored adversaries.





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WMD Directorate (WMDD)

- Created in July 2006
- Unique combination of agents, intelligence analysts, and CBRNE subject matter experts
- FBI lead federal agency for investigation of bioterrorism and biological crimes
- Detailees at INTERPOL, the Republic of Georgia, and Singapore





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WMD Coordinator

- Focal point for WMD prevention and response in each of the 56 field offices
- Support for the WMD Coordinator:
 - Threat Credibility Evaluation
 - Countermeasure and tripwire development

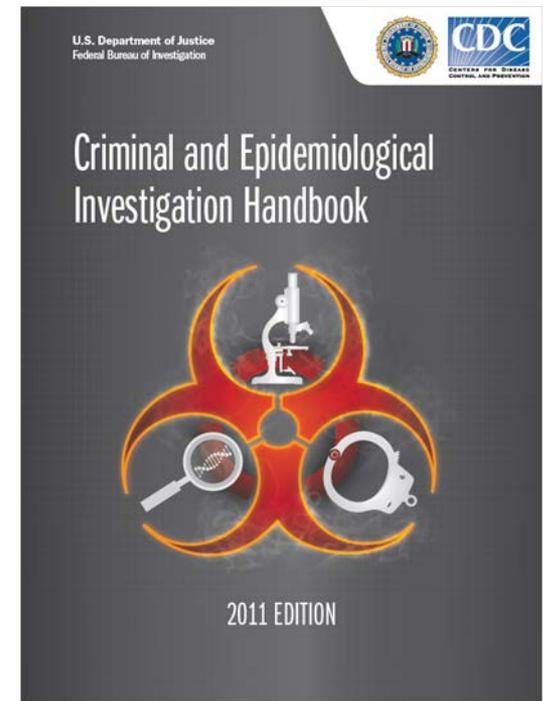




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Joint Crim-Epi Initiative

- Developed by FBI and CDC
- Improves collaboration and coordination of law enforcement and public health
 - Minimize spread of disease
 - Apprehend those responsible
 - Prevent follow-on attack





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Biosecurity Initiatives

- Safeguarding sources of biological material and technology
- Preventing exploitation of experts
- Promoting institutional awareness with regard to insider threat





Biosecurity Workshops

- Biological Sciences and Academic Biosecurity Workshops
- Creating partnerships between FBI and research communities
- Building awareness and improving communication

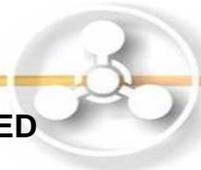




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Select Agent Program

- Partner with HHS and USDA in Select Agent Program
- Perform background and database checks on individuals being considered for access to BSAT





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International Biosecurity and Prevention Forum Initiative

- Engage with international partners in health and security
- Focus on nefarious use of biological agents
- Opportunities for collaboration and to strengthen programs

INTERNATIONAL **BIOSECURITY** AND PREVENTION





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FBI Laboratory

- Secure collection and safe examination of WMD contaminated evidence
- Laboratory Response Network
- Hazardous Evidence Analysis Team

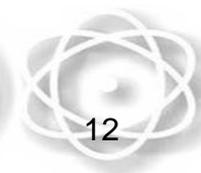
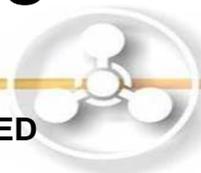
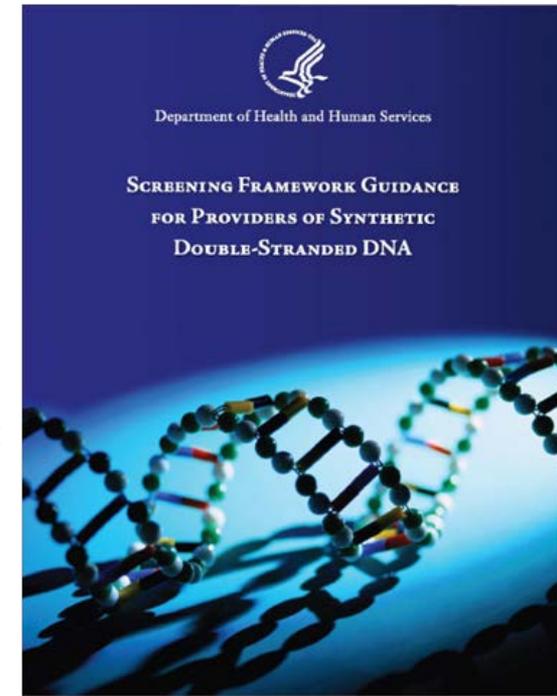




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Synthetic Biology Initiative

- Proactive approach to mitigate risks posed by exploitation of synthetic biology
- Develop partnerships with industry and academia
- Provide resources to synthetic genome providers to evaluate uncertainties in customer and/or sequence orders





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Amateur Biology Initiative

- Amateur biology groups believe in advancing science outside of traditional settings
- Develop partnerships with amateur biology community through outreach and education
- Foster culture of responsibility and security





Thank You

Dr. Nathan E. Head
Supervisory Special Agent, WMD Directorate
Federal Bureau of Investigation